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ABSTRACT

This resource book lists approximately 1,500 products designed specifically for the needs of people with disabilities. Typically, each product is pictured; basic information is provided including manufacturer name, product cost, size, and weight; and the product is briefly described. The book's four sections each describe products designed for certain purposes. Part 1 covers communication aids, including speech aids, pointing and typing aids, training and communication initiation aids, non-electronic communication aids, electronic communication and writing aids, mounting systems, and telecommunication devices for the deaf. Part 2 covers switches and environmental controls. Part 3 focuses on computer adaptations, including modifications for standard keyboards and mice, alternate inputs, input adapters for computers, voice-output screen readers and reading machines, magnification products for computer displays, braille and tactile output systems, speech synthesizers, and other software and hardware adaptations. Part 4 describes application software for special education and rehabilitation, including training and therapy software, adaptive educational software, and personal tool and aid software. Six indexes list products by their functions, by their input and output features, by computer, by manufacturer, and by name. A listing of manufacturer addresses is also provided. Appendices provide lists of other resources such as books and pamphlets, disability resources on the Internet, software resources, computer assessment and training programs, organizations and self-help groups, and service centers for augmentative communication and computer access. A glossary is also appended. (DB)

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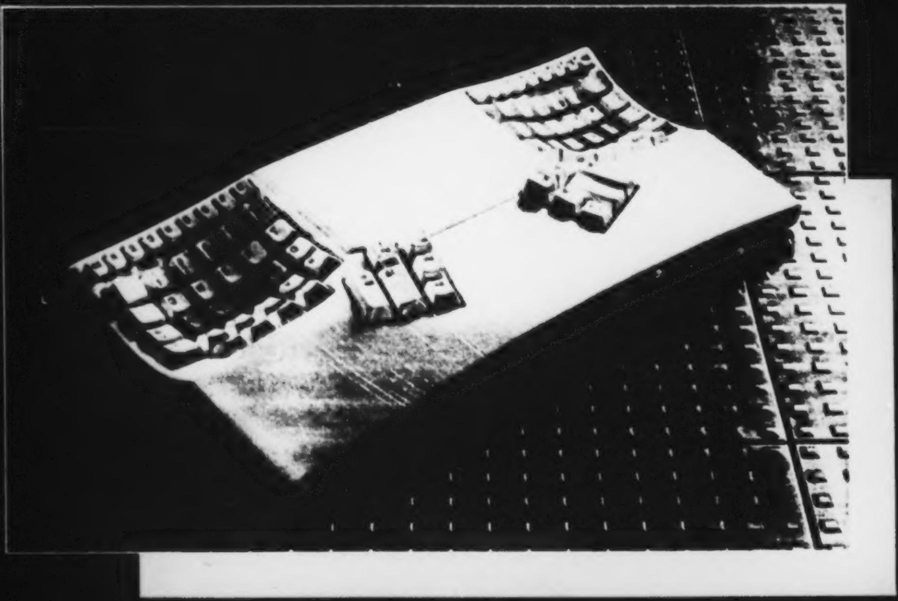

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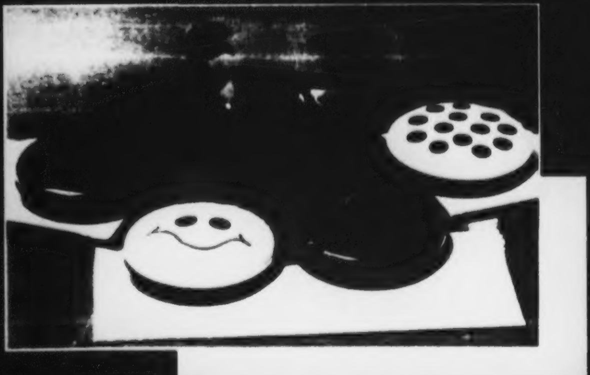
AlphaPad

Assistive Technologies for Communication, Control and Computer Access



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Trace ResourceBook

Assistive Technologies for
Communication, Control
& Computer Access

1996-97 Edition

The Trace ResourceBook, 1996-97 Edition supercedes the earlier Trace ResourceBook, 1993-94 Edition. The information on products in the earlier edition has been revised and updated, and new information added.

Trace ResourceBook

Assistive Technologies for Communication, Control & Computer Access

1996-97 Edition

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Peter Borden
Jaime Lubich
Gregg Vanderheiden

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An association for the advancement of rehabilitation technology

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Preface: How to Use This Book

Overview

The application of technology in the areas of augmentative communication, special education and rehabilitation is continually growing and changing. Private industries and public research institutions are always seeking new ways of addressing the needs of people with physical, sensory and cognitive disabilities. Fortunately, their work has borne considerable fruit. Unfortunately, it can be a bewildering task to keep track of what has been developed.

This book is for anyone who needs to know "what's out there": people with disabilities, parents, rehabilitation professionals, educators, administrators, therapists. The intent of the **Trace ResourceBook** is to help you understand and be able to locate useful tools quickly and efficiently, so you can devote your time and energy to applying them successfully. This volume lists products pertaining to communication, control, and computer access, as well as special software. For each product we have provided a vendor's name, a few basic facts about it, a photograph (if available and relevant), and a short description of the product's functions and capabilities.

This volume is a complete update, replacing the 1993-94 edition of the *Trace ResourceBook*. Information on products previously listed has been updated, obsolete products have been deleted, and new products have been added. The product information, including prices, were confirmed as of September, 1995.

This Book Includes Special Devices and Software

This ResourceBook lists products designed specifically for the needs of people with disabilities. We recognize that there are a large number of products designed for the general public that can be useful to people with disabilities; however, we cannot list these due to the volume of material they represent. We have chosen to address this issue by including various "generic" entries in each chapter that provide basic information on where to look for mass-market solutions, rather than attempting to list them individually. The one exception to this rule is in the area of products--either hardware or software--which provide access to computers (Chapters 10 - 17). Some were designed for the general computer user but provide a clear enough advantage to certain computer users with disabilities that we have decided to include them in the ResourceBook.

What You'll Find in This Book

Each section of this book contains products designed for different basic purposes. Part 1 covers "communication." This includes products primarily designed as aids to communication, both electronic and non-electronic. It includes aids that supplement speech or replace speech, as well as products that help with the process of non-speech communication. Some products in Parts 2 and 3 can aid in this process as well (you can find these using the "Special Indexes" described below).

Part 2 covers "control." It includes special switches--which can be used to control many of the products in all three parts of the book--plus environmental controls and calling devices. Part 3 covers "computer access." Chapters 11 - 18 list products which provide access to computers for people with disabilities. Chapters 19 - 21 list special software written specifically for the needs of people with disabilities.

Be sure to check the title page of each chapter for an explanation of what types of products can be found in that chapter.

Special Indexes Help You Find Products that Meet Special Needs

Indexes 1 - 6 in the back of this book are designed to help you in your search for products that meet specific needs. These indexes cover all of the products listed in the ResourceBook. They allow you to search for products by certain characteristics. They won't necessarily provide you with one or two "perfect choices," but they can help you to narrow down your options, after which you can check the individual product descriptions to see which ones might be useful to you. You should then contact the manufacturer of the product (see Index 5 for addresses) to ask questions and to obtain detailed pricing and ordering information.

Index 1 lists products by their functions; Index 2 lists products (except switches) by their input and output features; Index 3 lists switches by their input and output features; Index 4 lists products by computer; Index 5 lists products by manufacturer, and provides manufacturer's addresses; Index 6 lists all of the products alphabetically. The index pages have been color coded to make them easier to locate.

The title page of each index provides directions on using that index. The page after the title page provides a list of the categories, or "codes," by which products are classified in that index. If you want to know what a particular function or feature code means, turn to that code in the index. There you will find a short description of what that code covers, along with a list of all the products that it applies to.

Products Are Not Indexed by Disability

Products are not indexed by disability since we believe that this is not a useful approach. While some products are clearly for someone who is visually impaired, nonvocal, physically impaired, etc., many products could be used by people with any disability, just as standard software can be useful to people with disabilities as well as those without disabilities. For these reasons we believe that emphasis should move away from etiology labels, and toward a concentration on the functions a person desires and the input and output features required to make those functions accessible to that person.

Additional Sources of Information Are Also Provided

Although information on products can be extremely useful in making decisions about assistive technologies, there will probably be other information you need as well. Appendices A and B provide lists of other resources and contacts that you may want to pursue in order to find the right solution for a particular situation. The appendices are divided into several lists, with titles such as "Computer Assessment and Training Programs," "Newsletters and Journals," and "Service Centers for Augmentative Communication and Computer Access." For the titles of these lists, check the Detailed Table of Contents at the beginning of this volume, or the title page of each appendix. If you locate a particularly knowledgeable resource that we do not have listed, please inform us or encourage the organization to send information to the Trace Center, so that we can cite them in future editions of the ResourceBook.

We particularly encourage you to check Appendix B (Service Providers and Organizations). In that appendix are two very important lists: the members of the Alliance for Technology Access, a nation-wide network of grassroots assistive technology groups (Appendix B-1); and all of the state programs funded under the federal Technology-Related Assistance for Persons with Disabilities Act (Appendix B-8). These lists can help you get in contact with the people in your immediate area who are most familiar with assistive technology and resources for obtaining it.

Appendix C is a glossary of special vocabulary used in product descriptions. In some cases a definition represents universal usage in the field; in other cases it is provided to clarify the use of a term in this book. The Glossary is not intended to be a comprehensive one for the field, only a useful adjunct to the product descriptions in this ResourceBook. Like the indexes, Appendices A-C are also color coded (in two other colors) to make them easy to locate.

Changes in This Edition

Users of past editions of the ResourceBook will notice some changes in this edition. Due to the incredible proliferation of software in special education and rehabilitation, we have had to limit the products listed in Chapters 19 - 21. In limiting the listings, we chose to focus on software directly used by people with disabilities. For example, we no longer list rehabilitation facility management software or software for analyzing test results.

This edition now includes approximately two dozen "generic" entries. In the fields of augmentative communication, control, and computer access, many beneficial assistive devices are not products designed, manufactured, and distributed specifically for people with disabilities. To assist the ResourceBook user in finding these products, we have written these generic entries of commercial mass-market products and placed them in chapters respective to the solutions they might provide.

You may also notice some changes in the chapter structure. There is a new chapter on "Mounting Systems." To make it easier to locate computer output adaptations, we have divided what was two chapters into three chapters: one for speech output, one for large print and one for braille. We've also broken what was one chapter (Education, Training and Therapy Software) into two (Training and Therapy Software and Adapted Educational Software). Although the line between "Education" and "Training" can be a fuzzy one, for the sake of readability we had to split up what had become an enormous chapter. We hope these changes will make the book a little easier for you to use.

A Caution: We Make No Endorsements

The information contained in product entries is not evaluative, and inclusion in these books does not imply recommendation or endorsement. We have made every effort to make the entries consistent and informative. But because we are not able to use every product ourselves, a description includes only what the product is designed to do, not how effectively the product does it. The product descriptions have been written based upon information provided by the manufacturers.

This Volume Is One Part of Your Complete Search for Answers

Remember, no product will work for you unless it is not only selected properly but implemented successfully. If you do not have a lot of experience with the technology, be sure to seek out as many people to help you as you can find. Besides resources such as those listed in Appendix B ("Service Providers and Organizations"), you may wish to contact vocational rehabilitation agencies, local school systems, hospitals, and private rehabilitation firms to determine if they have the necessary background and expertise in the areas of technology that you are interested in.

Summary Table of Contents

Preface: **How to Use This Book** vii

Part I: Communication Aids

Chapter 1: **Speech Aids** 1
Prosthetic and orthotic aids to oral speech, such as artificial larynges and speech amplifiers.

Chapter 2: **Pointing and Typing Aids** 13
Headsticks, mouthsticks, handsplints, lightbeam headpointers, and any other devices for facilitating an individual's ability to point or press keys.

Chapter 3: **Training and Communication Initiation Aids** 27
Electronic devices designed to initiate communication or train individuals in the use of switches or selection techniques.

Chapter 4: **Non-Electronic Communication Aids** 67
All communication aids which do not involve any electricity.

Chapter 5: **Electronic Communication and Writing Aids** 115
Electronic aids which are designed for conversation or writing.

Chapter 6: **Mounting Systems** 163
Devices used to mount a switch, communication system, or computer access device so that an individual can access it optimally.

Chapter 7: **Telecommunication Devices for the Deaf (TDD's)** 177
Devices which have been specifically designed for deaf individuals to communicate over phone lines using ASCII, Baudot, or touchtones.

Part II: Switches and Environmental Controls

Chapter 8: **Switches and Controls** 199
Switches and user interfaces which are marketed as separate devices and which are intended to be used with a wide range of communication or control aids. Switches and controls which work with only a single aid are listed as accessories for that aid.

Chapter 9: **Environmental Controls and Telephone Adaptations** 261
Devices and systems whose function is to control some other device in the person's environment. This includes page turners, telephone dialers, remote appliance controls, television controllers, etc.. Training aids are in Chapter 3; computer access aids are in Chapter 12.

Chapter 10: **Call, Monitoring, and Memory Systems** 309
Special call buzzers, adaptations to hospital call systems, telephone emergency call systems, activity monitors for elderly or disabled persons, and memory aids or reminder systems for elderly individuals and those with retardation or brain damage.

Part III: Computer Adaptations

Chapter 11: **Modifications for Standard Keyboards and Mice** 329

Keyguards, keylatches, foot operated shift controls, and software adaptations for rearranging or modifying the operation of the standard computer keyboard.

Chapter 12: **Alternate Inputs** 371

Alternate input systems which are only designed to work with all of the standard software which is written for the computer. This includes systems which work directly with all software, as well as interfaces which require some adaptor in order to work with all software.

Chapter 13: **Input Adapters for Computers** 451

Special adapters that go between switches, controls, keyboards, etc., and the standard computer in order to allow them to work together.

Chapter 14: **Voice-Output Screen Readers and Reading Machines** 465

Software or software/hardware products which provide access to standard software through voice output. It also includes optical character recognition (OCR) reading systems with voice output.

Chapter 15: **Magnification Products for Computer Displays** 491

Software and hardware products whose primary purpose is to magnify the image on a standard computer screen. Products in this chapter are designed to work with all or most software.

Chapter 16: **Braille and Tactile Output Systems** 505

Braille printers and other tactile devices that provide access to a standard computer screen.

Chapter 17: **Speech Synthesizers** 523

Hardware and software based speech synthesizers that are designed to be used by other application programs.

Chapter 18: **Other Software and Hardware Adaptations** 539

Disk loaders, special desks, devices to slow down computers, screen print routines, software conversion programs, and other miscellaneous adaptations for computers.

Part IV: Application Software for Special Ed and Rehab

Chapter 19: **Training and Therapy Software** 553

Software that is designed for training and therapy of basic skills, ADL skills, communication skills, etc.

Chapter 20: **Adaptive Educational Software** 711

Application software and software/hardware packages whose primary function is to educate.

Chapter 21: **Personal Tool and Aid Software** 735

Software programs designed to be used on a long-term basis by an individual as a personal tool or prosthetic aid. This includes programs that facilitate an individual's ability to communicate, write, draw, control, move about, etc.

Appendixes

Appendix A: **Information Resources** 775

Sources of information about a variety of topics relevant to the application of technology in special education, rehabilitation and augmentative communication.

Appendix B: **Service Providers and Organizations** ... 799
Resource lists of people and organizations that provide services relevant to the application of technology in special education, rehabilitation and augmentative communication.

Appendix C: **Glossary** ... 827
Definitions of terminology used in the product descriptions which might be new or unfamiliar to many readers.

Indexes

Index 1: **Products Listed by Function** ... 835
Index 2: **Products Listed by Input/Output Feature** ... 861
Index 3: **Switches Listed by Input/Output Feature** ... 879
Index 4: **Products Listed by Computer** ... 885
Index 5: **Manufacturers Listed with their Products** ... 901
Index 6: **Alphabetical Listing of all Products** ... 921

Detailed Table of Contents

Preface: How to Use This Book vii

Chapter 1: Speech Aids 1

ADDvox III System 3
Amplifiers 3
Cooper-Rand Electronic Speech Aid 4
Denrick Speech Aid 4
Electronic Artificial Larynx 5
Electronic Speech Clarifiers 5
Handset for Speech Amplification 6
Mini Vox Amplifier 6
Nu-Vois 7
Park Speech Amplifier 7
Passy-Muir Speaking Valves 8
Rand Voice Amplifier 8
Robot Voice Synthesizer 9
SERVOX Inton 9
Speech Enhancer 100, 200 & 400 10
Speechmaker 10
Tokyo Artificial Larynx 11
Voice Amplificaider 11
Voicette 12

Chapter 2: Pointing and Typing Aids 13

Adjustable Head Pointer 15
Adjustable Head Pointer 15
Adjustable Head Pointer PC 7590 16
Baton Laser Pointer 16
Clear-View Head Pointer 17
F73216-100 Page Turner/Keyboard Aid 17
Gripper Prehensor 18
H71830 Adjustable Head Pointer 18
H73217 Mouth Held Page Turners 19
Handpointers 19
Head Pointers: AD-1, AD-2, AD-3 20
Heyer-Abadie Modular Mouthstick 20
Laser Light Pointer 21
Light Beam Indicator 21
Light Pointer 22
Light Pointer 22
Light Pointers 23
LightBeam 23
Mouthsticks 24
RedLite 24
Slip-On Typing Aid 25
Talking Laser Beam 25
Vacuum Wand 26
Viewpoint Optical Indicator 26

Chapter 3: Training and Communication Initiation Aids 27

Ability Switch Tester (5955) 29
AC Adaptor FRE-103C 29
Activity Board 30

Activity Boxes 30
AND Module 31
And Or Box 31
Battery Adapter 32
Battery Device Adapter 32
Battery Interrupter 33
Battery Interrupters 33
Buzzer Box 34
Card Communicator 34
Chime Box 35
Clear Clock Communicator 35
Clock Communicator 36
Comboard (2615) 36
Communiclock 37
Communilight 24 37
Compartmentalized Clock Communicator 38
Compartmentalized Communicator 38
Counter Box 39
Counter Module 39
Delay Timer Box 40
Dial Scan 40
Dual Action Latch 41
Dual Channel Latching Switch Interface 41
Dual Clock Communicator 42
Duo-Responder 42
E-Tran Scanner 43
Environmental Control for Kids 43
Intention Module 44
Invertor Module 44
Keypad (2425) 45
Latch Box 45
Light Activated Switch Panel 46
Lighted Vibrating Signalling Buzzer 46
LinkSwitch 47
Multi-Switch Module 47
Music Button 48
Nine Compartment Row/Column Scanner 48
Nine Volt Battery Adapter Module 49
On/Off Module 49
Peg Switch 50
PigTail Adapters 50
Portable Sound Source II 51
Puzzle Switches 51
Quad Talk 52
Rhythm Generator 52
Round Clock Communicator 53
ScanLite 53
Sequential Scanner 54
Series Adapter 54
Six Position Activity Box 55
Slide Projector Control 55
Steeper Communication/Teaching Aid 56
Switch Latch (4388) 56
Switch Latch and Timer 57
Switch Latch/Timer 57
TDD Trainer System 58
Three Position Activity Box 58
Timer Module 59
Toy Adapter 59
Toy Adapter Cables: CA-9/CA-12/CA-16 60
Toy Cables (4378, 4379) 60
Trace Beeper Box 61
Training Aid 2 61
Tri-Responder 62

Tubular Vibrator 62
Universal Module 63
Versascan 63
Vibrating Sack 64
VoiceMate, SwitchMate, ScanMate (2701-2708) 64
WPS Loquitur 115 and 250 65

Chapter 4: Non-Electronic Communication Aids 67

AccessBliss 2.2 69
Alphabet Board Kit 69
AlphaPad 70
Appointment Book 70
Attainment Communication Collection 71
Blissymbol Templates 71
Blissymbol Vocabulary Stamps 72
Blissymbols Gallery 72
Boardmaker 3.0 73
Boardmaker for Windows 73
Bradley Board Communication Aid 74
Calendars 74
Chain Talk 75
Cleo Communication Board 75
Communication Binder 76
Communication Board 76
Communication Board Builder 77
Communication Displays for Engineered Preschool Env. 77
Communication Folder and Tri-Folder 78
Communication Icon Galleries CD-ROM 78
Communication Sheets 79
Communication Symbol Holders 79
Core Picture Vocabulary 80
Core Vocabulary 80
Deluxe Communication Board Kit 81
Deluxe Talk Board 81
DynaSyms 82
Emotional Moods & Needs-G 3&4 82
Eye Transfer Communication System 83
Eye-Com 83
Eye-Com Board 84
Fold It System 84
Foods I Like Menu Book 85
Help Me at Home & School-G 5&6 85
Help Me to Help Myself Handbook 86
Holiday Kit 86
ICU-G 1&2 87
Illustrated Menu 87
Imaginart Gallery 88
Individualized Communication Systems 88
Life Experiences Communication Kit 89
Long Wallet 89
Mealtime Stickers 90
Mega-Book 90
Mid-Sized Communication Book 91
Mini Picture Set 91
Nu-Vue-Cue 92
Oakland Schools Picture Dictionary 92
Object Communicator 93
Object Display 93
Object Stand or Calendar Box (3 or 5) 94
Object-Picture Talk Board 94
Opticommunicator 95
Passport Kits 95
PCS Color Stickers 96

PCS Stamps 96
PCS Wordless Edition 97
PEACEbook 97
Pick 'n Stick Color Micros 98
Pick 'N Stick Color Packs 98
Pick 'N Stick Fast Food 99
Pick 'n Stick on Disk 99
Pick 'n Stick Primary Pack 100
PICSYMS Categorical Dictionary 100
Picture Communication Symbols - Combination Book 101
Picture Communication Symbols, Books I, II & III 101
Picture Prompt Cards 102
Picture Prompt Stickers 102
Picture Prompt System 103
Picture Your Blissymbols 103
Pictures, Please! 104
Pocket Book 104
Pocket Picture Holder 105
Pocket-Sized and Double Pocket-Sized Communication Book 105
Porta Boards 106
Porta Book 106
Select-A-Meal and Shopping Smart 107
Self-Talk Stickers 107
Silent Speaker 108
Stickers for Talk Boards 108
Talking Pictures Communication Board 109
Talking Pictures, Kits I - VII 109
Touch 'N Talk Communication Board 110
Touch 'N Talk Communication Notebook 110
Touch 'N Talk Communication Stickers 111
Touch 'N Talk Micros 111
WordWise Language & Master Cards 112
WordWise Sticker Set 112
Writing Utensil Grips 113
Zoo Kit 113

Chapter 5: Electronic Communication and Writing Aids 115

A.I.P.S. Wolf (Alternate Input Peripheral System) 117
Able2Speak 117
Abovo PCD 118
ActionVoice 118
AlphaTalker 119
Attainment Fifteen Talker 119
Attainment Five Talker & Talker Plus 120
Attainment Two Talker 120
Audible Cursor Routine 121
AudScan II 121
BIGmack 122
BlackHawk 122
Canon Communicator CC-7S and CC-7P 123
CarryCom 123
Cheap Talk 4 & 8 124
Communication Programs 124
Companion 401 Communicator 125
Crespeaker 125
Crestalk 126
DAC 126
DeltaTalker 127
DigiTalk 1 127
DigiVox 128
Dvorak One-Hand Typewriter 128
DynaVox2 & DynaVox2c 129
DynaVox2 DOS & DynaVox2 Mac 129

EasyTalk 130
Electronic Speech Synthesizers 130
Equalizer 131
EvalPAC with RealVoice 131
Eyegaze Computer System 132
FingerFoniks 132
Gus! Multimedia Speech System 133
Handheld Computers and Personal Organizers 133
Handy Speech Communication Aide 134
Hawk 134
Heidico Intertalk 135
Help U Type and Speak 135
HyperBliss 3.2 136
I Can Speak 136
IntelliTalk 137
Liberator 137
LightWRITER SL35 138
LightWRITER SL5 138
LightWRITER SL85 139
Lingraphica 139
Lynx 140
Macaw Series 140
MegaWolf 141
MessageMate 20 141
MessageMate 40 142
Messenger 142
Meta4 143
Mini Talking Card Reader 143
Mini-MessageMate 144
Parrot 144
Pegasus 145
Personal Trainer 145
Picture Icon X-CHANGE 146
Polycom 146
ReadyScan 147
RealVoice 147
Say-It-All II Plus 148
Say-It-Simply Plus 148
Scan Com 149
Scan-It-All 149
ScanPAC 150
Scribe 150
Secretary 151
Shadow Talker 151
SpeakEasy 152
Speaking Dynamically 152
Specialist 153
Switch Module 153
Switchboard 154
System 2000 154
Talk Back III 155
Talk Back VI 155
Talk:About 156
Talking Screen 156
Talking Screen for Windows 157
Talking Switch Plates 157
TS2010X Text to Speech Personal Communicating Device 158
VisionKey 158
Vocal Assistant 159
VoiceBachs 159
VoicePal 160
VoicePal Plus 160
VOIS 160 161
WalkerTalker 161

WhisperWolf 162
Yak Bak 162

Chapter 6: Mounting Systems 163

Adaptive Fixtures Kit 165
Communication Station 165
Daessy Desktop Mount 166
Daessy Folding Mount 166
Flexible Wheelchair/Table Mounting Kit 167
Head Mounting Kit 167
Laptrays 168
Low-Tech Adaption Materials 168
Magic Arm System 169
Mighty Mount 169
Moulded Plastic Wheelchair Tray 170
Mounting Packages & Switches 170
Mounting Switch Mount 171
PowerBook Mounting Plate 171
Quick 'n Easy 2 172
Slim Armstrong 172
Support Station 173
Switch Mounting Hardware 173
Switch Mounting Kit 174
Switch Mounts 174
TASH Mounting Parts 175
Universal Switch Mounting System 175
WCMK 176

Chapter 7: Telecommunication Devices for the Deaf (TDD's) 177

ASCII-TDD Software 179
Atlantic 144 TTY 179
Compact TTY 180
Dialogue TTYs 180
Dialogue VCO Read & Talk Telephone 181
Futura-TTY 181
InfoTouch 182
Intele-Modem 182
Lite Touch Telephone Communicator 183
Message Center 183
MIC300i Computer Modem 184
Minicom IV 184
Miniprint 425 185
NexCom 300vi & 300ve 185
Pay Phone TTY 186
Personal Communication Terminal (PCT) 186
Phone-TTY CM-4 Computer Modem 187
Porta Printer Plus 187
PortaView 188
Positron Express 188
SIDD (Software Interface for the Deaf and Disabled) 189
SM85 Smart ASCII/Baudot Modem 189
Supercom 4400 TTY 190
Superprint 100, 200, 400 190
Superprint 4425 191
Superprint ES TTY 191
TDD 2700, 2730, and 2830 192
TDD Detector 192
TeleBraille III 193
TeleView 40 & 80 193
ToneTalker 194
UltraSilent 194
Uniphone 1000 195

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Uniphone TDD/TT 195
VCS 3500 with TDD Software 196
WinTalk 196
Writalk Electronic Pen Pad 197

Chapter 8: Switches and Controls 199

4-Plate Switch: CM-15 201
4-Pneumatic Switch: CM-17 201
4-Pushbutton Switch: CM-16 201
4-Switch Joystick: CM-19 202
5-Pushbutton Switch: CM-18 202
5-Tread Switch Slot Control: CM-50 202
Adjustable Pressure Switch 203
Air Cushion Switch 203
Air Cushion Switch (Single or Dual) 203
Air Switch 204
Air Wave Switch 204
Analog Switch Pad 204
Arm Slot Control 205
Armslot Switch Controller ASC-5 205
BASS Switches 205
Big Red, Yellow, Green, and Blue 206
Body Parts Switch 206
Body Switch BS-1 206
Breath Input Device 207
Buddy Button (5710-5773) 207
Button Switch 207
Button Switch 208
Cap Switch (5806) 208
Capacitive Touchplate Interface 208
Clamp-On Bump Switch 209
Classic Paddle Switch 209
Coil Spring Wobble Stick Switch 209
Computer Keyboard Switch 210
Computer Switch Plate 210
Continuous Movement Switch (CMS) 210
Controflex Foot Switches 211
Controflex Ribbon Switches 211
Control & Momentary Control Center Switches 211
Crestwood Converter Switch 212
Crestwood Touch Latch Switch 212
Cup Switch (5807) 212
Cushion Switch 213
Custom-Made Switches 213
Cylindrical Touch Switch (5300) 213
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch 214
Double Paddle Switch 214
Double Sip & Double Puff Switches 214
Double Touch Switch 215
Dual Plate Switch: CM-12 215
Dual Pneumatic Switch: CM-14 215
Dual Puff-Sip Switch DPS-2 216
Dual Pushbutton Switch: CM-13 216
Dual Rocking Lever Switch 216
Dual Tongue Switch TS-2C 217
Ellipse Switches 217
Eyebrow Switch 217
Facial Switch 218
Finger Flex Switch 218
Finger Isolation Button 218
Flex Switch (5855) 219
Flexi-Switch 219
Flexit Switch 219

Flexswitch II 220
Grasp Switch (5865) 220
Grip & Puff Switch 220
Grip Switch 221
HD Latching Pneumatic Switch 221
Head Control Switch 221
Head Position Interface 222
Head Switch 222
Head Switch Kit 222
Headband Switch 223
High Tech/Low Cost 223
Intention Switch 223
IST Switch 224
Jelly Bean 224
Joystick 224
Joystick Interface Control 225
Joystick with Pad Switch (5012) 225
Jumbo Plate Switch 225
L.T. Switch 226
LD Latching Puff Switch 226
Leaf Switch 226
Leaf Switch 227
Leaf Switch (5860) 227
Leaf Switch: CM-2/CM-7 227
Left/Right Rocker Switch 228
Lever Switch: CM-8/CM-9 228
Light-Activated Switch 228
LightSwitch 229
Low Force Adjustable Rod Switch 229
Magnetic Finger Switch 229
Mat Switch 230
Membrane Plate Switch 230
Mercury Switch 230
Mercury Tilt Switch 231
Micro Light Switch (5850) 231
Micro Switch 231
Mini Cup Switch (5808) 232
Mini Joystick with Push Switch (5020) 232
Mini Rocking Lever Switch 232
Minimal Motion Splint-Mounted Switch Kits 233
Mounting Switch 233
Multi-Control Press Switch 233
Normally Closed Sensing Cell 234
Normally Open Sensing Cells 234
Omron Switch 234
Overhead Pull Switch 235
P-Switch 235
Patty Cake Press 235
Penta Switch (5024) 236
Petite Pillow Switch 236
Photocell Switch 236
Pillow Switch (5875) 237
Pinch Switch 237
Pinch Switch 237
Plate Switch 238
Plate Switch 238
Plate Switch (5830-34) 238
Plate Switch On Stand 239
Plate Switch: CM-10 239
Plate Switches 239
Plate Switches 240
Play Mat Switch 240
Pneumatic Switch 240
Pneumatic Switch (5100, 5101) 241

PRC Joystick 241
Pressure Switch 241
Pressure Switch 242
Pull Switch 242
Pull Switch 242
Pushbutton Switch: CM-11 243
Remote Ability Switch Adapter 243
Rocker Switch (5505) 243
Rocking Plate Switch 244
Roller Switch Music Box 244
Round Pad Switch (5805) 244
SCATIR Switch 245
Sensor Switch 245
Shadow Switch 245
Signal Buzzer Plate 246
Signal Switch 246
Single Rocking Lever Switch 246
Sip & Puff Switch 247
Snappy Switch 247
Soft Switch (5820, 5821) 247
Specs Switch 248
Sponge Nurse Call Switch 248
Square Pad Switch (5810) 248
Squeeze Switch 249
Standard Paddle Switch 249
Star Switch (5026) 249
String Switch 250
String Switch 250
Super-Sensitive Normally Open Switch 250
Switchskins 251
Tactile Touch Pad 251
Taction Pads 251
TAS Switch 252
Thumb Switch: CM-5 252
Tilt Switch 252
Tip Switch (5840) 253
Tongue Switch 253
Tongue Switch 253
Touch Pads 254
Touch Switch: CM-4 254
Tread Switch: CM-1 254
Treadle Switch (5880) 255
Twin Plate Switch 255
Twinkle Switch 255
Twitch Switch 256
Ultimate Switch 256
Universal Adaptive Switch System 256
Vertical Plate Switch 257
Vertical Wobble Switch 257
Vibration Switch 257
Voice Activated Switch 258
Voice Switch 258
Wafer Switch (5018) 258
Wobble Switch 259
Wobble Switch 259

Chapter 9: Environmental Controls and Telephone Adaptations 261

911 Telephone Terminal 263
AbiliTech Commander IR 263
AbiliTech Commander X-10 264
AbiliTech Communicator 264
AbiliTech Home Control System 265
Ability Switch Phone Sequencer 265

Able-Phone 100WA 266
Able-Phone 1900 and 2000 266
Able-Phone 6000SX 267
ACS Headsets 267
Adapted Telephone Interfaces 268
APT Automaddak Page Turner System 268
Automatic Drapery Opener System 269
Bed Control (DBC-1) 269
Big Button Bed Control 270
Butler-in-a-Box 270
CCT Environmental Control 271
CINTEX2 271
Control 1 272
Controller 272
Custom Speaker Phone 273
DEUCE 273
E.A.S.I.dialer (2110) 274
EASICORDER 274
Environment Control 275
Environmental Control Units 275
Expanded Keyboard for Automatic Telephone 276
EZ-TV Adapted Infrared Remote Control for Televisions 276
EZRA 277
F71863 Touchables Touch Phone Attachments 277
First Aide Kit 278
Fone Holder 278
FreeSwitch 279
GEWA Infra-Link Speaker-Telephone 279
GEWA Infra-Link System 280
Gewa Page Turner 280
Giant Push Button Telephone Adapter 281
HandiPHONE 281
HECS-1 282
Home Control Systems 282
HomeAccess 283
In & Out Automatic Door Controller 283
Infrared Remote Control IRTI-I 284
Kincontrol (4105) 284
Mastervoice Environmental Control Single User Unit 285
Memory Button Telephones 285
Mini-Environmental Control (ECU) Box 286
Motorized Easel 286
MultiPhone 287
Next Page Page Turner (4600) 287
On/Off Remote Switch 288
Phone Manager 288
PhoneAccess 289
Portable Telephones 289
PowerLink 2 290
PROXi 290
RC5000 Radio Home Control System 291
RELAX (8200) 291
Remote Control Speakerphone Model RC3000 292
Saltus Reader 292
Sapura S2000 CL 293
Scanning Director 293
Scanning Remote Control (SRC) 294
Scanning X-10 Powerhouse 294
SenSei System 295
Simplicity Series ECUs 295
Single-Appliance Continuous Control Unit 296
Single-Switch Multi-Appliance Control Unit & Modules 296
Single-Switch TV Control Unit 297
Sip/Puff Bed Control 297

Speaker Phones 298
Synergy Integrated Remote 298
T-140 Series Puff/Sip Speakerphones 299
TEAM 299
Telephone Holder & Line Connector 300
Telephone Management System 300
Touch Turner 301
TVRC and TVRCS 301
U-Control 302
Ultra 4 Remote System & Scanning Ultra 4 302
Universal Control System with Tongue Touch Keypad 303
Universal Remote Controls 303
Universal Telephone Adapter 304
Universal Television Remote Control 304
URC-400 Series Universal Remote Control 305
VX-5000 Cordless Phone 305
Wireless TV & VCR Remote Controls 306
X-10 Home Control Interface 306
X-10 Powerhouse System 307

Chapter 10: Call, Monitoring, and Memory Systems 309

Accularm 311
AlertCom 311
Auto Call Single Number Dialer 312
Beep-in-Touch 312
Beeper 313
Call Alert Model CA-100 313
Call Bell (4500) 314
Call Signal 2 314
Chime Alarm 315
Cord-Mate 315
Digitized Speech Message Machines 316
E-Z Call 316
Emergency Call Alarm 317
Home Intercom Systems 317
Intercom (4392) 318
JANICE Model 100 Invalid Security Alert System 318
Lighted Extra Loud Signalling Buzzer 319
Lighted Signalling Buzzer 319
NeuroPage 320
Omni Page System 320
PA-1 Portable Alarm 321
People Pager 321
Personal Alert Receiver 322
Personal Pager 322
Personal Pager 323
Personal Pagers 323
Remote Wireless Paging Alarm 324
Screamer Alarm 324
SideKick Receiver 325
Signal Buzzer 325
Sound Advice System 326
Vibra-Call Receiver 326
Watchman Master 327
WatchMate 327
WatchMate LC 328
Wireless Personal Pager 328

Chapter 11: Modifications for Standard Keyboards and Mice 329

1-Key 331
Access Pack for Microsoft Windows 331
AccessDOS 332

Articulating Drawers 332
ASER Ergonomic Keyboard Layout 333
Aurora for Windows 333
Braille Keytop Labels 334
Brailled Keyboard Overlay for the Apple IIGS 334
CarpalRest 335
Combination Braille/Large Print Keytop Labels 335
Comfortype 336
Custom Keyguard 336
DataArm 337
Dvorak Computer Keyboard 337
Dvorak Conversion Keytop Labels 338
Dvorak Keyboard Layouts 338
E Z Keys 339
Easy Access 339
Ergorest Articulated Forearm Rests 340
Expanded Keyboard Emulator 340
Filch 341
FlexShield Keyboard Protectors 341
Half-QWERTY One-handed Keyboard Software 342
HandiKEY and HandiKEY Deluxe 342
HandiSHIFT 343
HandiWORD and HandiWORD International 343
Help U Type 344
High Dots 344
Home-Row Key Indicators 345
HX-20 Protective Cover 345
JDN Shorthand (5073) 346
KeyAbility 346
Keyboard Covers 347
Keyboard Overlays for Apple IIe and IIgs 347
Keyboard Wrist Rest 348
Keycache 348
KeyGuard 349
Keyguard 349
Keyguards 350
Keylocks 350
KeyMagic 351
KeyREP 351
KeyStopper 352
KeyWiz 352
LAP CAT 353
Left or Right Handed Keyboards 353
MacQWERTY 354
Magic Fingers 354
Moisture Guard 355
MOUSE PERCH 355
NOHOLD 356
Notebook Computer Wrist Rest 356
OmniKey Keyboards 357
On/Off Adaptor Switch 357
One-Hand Keyboard Package 358
PAL 358
PECK Computer Software 359
PowerPad Keyguard 359
PRD+ (Productivity Plus) Basic Edition 360
Prefix 360
ProKey 361
QuicKeys 361
Reinforced Keyguard 362
Roll & Slide Keyboard Wrist Support 362
SafeSkin Keyboard Protector 363
Step On It! Computer Control Pedals 363
Stick-On Keylocks 364

Stickey 364
Tempo for Windows 365
Tempo II Plus 365
TempoEZ 366
TimeOut UltraMacros 366
Uni-Key 367
VT520 Terminals - Accessibility Features 367
WordWriter 368
WRIST PERCH 368
ZoomCaps 369

Chapter 12: Alternate Inputs 371

Access-I 373
Adap2U 373
ADAPTA-LAN 374
Adaptive Firmware Card Model G32e 374
AlphaSmart Pro 375
AmTRAC 375
Apple Adjustable Keyboard 376
Aurora 2.0 for DOS 376
BallPoint Mouse 377
BAT Personal Keyboard 377
Big Keys 378
BioMuse 378
Bloorview Miniature Keyboard 379
Breakthru Box 379
Cirque GlidePoint Trackpads 380
Comfort Keyboard System 380
Concept Keyboard 381
Cordless WinMouse 381
DARCI TOO 382
Doors II 382
DragonDictate Starter, Classic, and Power Editions 383
EEK 383
ErgoLogic Model 7.1 Keyboard 384
Ergonomic Keyboard Systems 384
Expanded Keyboard for Apple Macintosh and Apple IIGS 385
Expanded Keyboard for IBM Computers 385
Expanded Keyboards for the Talking BlissApple 386
Expanded Numeric Keypads 386
Expert Mouse 387
Eye Slaved Pointing System 387
ezMorse for Windows 388
ezScan 388
FastTRAP 389
Felix 389
First-Finger WinTrack 390
FlexPro 390
GEWA FTB 108 Enlarged Keyboard 391
GEWA METB 121 Reduced Size Keyboard 391
HAL (Home Automation Link) 392
Hand Controls 392
HandiCODE and HandiCODE Deluxe 393
HeadMaster Plus 393
HeadMouse 394
Help U Key 394
Help U Keyboard 395
Hereward Tracker Ball & Joystick Module 395
Icontroller 396
IN-CUBE Voice Command for SPARC Stations 396
IN-CUBE Voice Command for Windows, NT 397
Instant Access 397
IntelliKeys 398

IntroVoice V 398
IntroVoice VI 399
IRIS Reading Interface 3.0 399
Jouse 400
Joystick to Mouse Driver 400
JustVoice 401
K-U-I 401
Ke:nx 402
Ke:nx On:Board (M43) 402
Key Largo 403
Keyport 176 403
Keyport 300 404
Keyport 60 404
Kinesis Ergonomic Keyboard 405
King Keyboard (2440) 405
Kurzweil VOICE 406
Kurzweil VOICE for Windows 406
Laser Optic Keyboard 407
LIAISON 407
LightBoard 408
LipStick and WordWriter 408
Listen for Windows 409
MacKing 409
MacMini 410
Macrat 410
MacroMaster/pro 411
MacTRAC 411
Magic Wand Keyboard with McKey Mouse Option 412
Maltron Keyboard 412
MICE 413
Micro IntroVoice 413
Micro IntroVoice II 414
Microsoft Natural Keyboard 414
Microsoft Windows Sound System 415
MIKE (Mouse Interface & Keyboard Emulation) 415
Mini Keyboard (2443 or 2450) 416
Mini-Keyboards 416
MiniErgo-MF2 417
Minimal Motion Computer Access System 417
Morse Code WSKE II 418
Morsek Version 1.1 418
Mouse Keys 419
Mouse-Trak 419
MouseMan Cordless 420
MouseMover - Mac (5005) 420
MouseMover - PC Windows (5004) 421
MousePen 421
MouseStick II 422
Mouth Operated Joystick for Genesis Video Game 422
Muppet Learning Keys 423
My First Keyboard 423
My-T-Mouse 424
MyKey 424
Narwhal Expanded Keyboards for Adaptive Firmware Card 425
Nintendo & Super Nintendo Joystick Module 425
NoMouse 426
OfficeTALK for Windows 426
One Access 427
One-Hand Operated Joystick for Genesis Video Game 427
OneStrk 428
Optimouse 428
OsCaR 429
PC-TRAC 429
Pen Style Mouse 430

PKP 84 and 101 430
PortaPoint 431
PowerKey Software for IBM 431
PowerPad 432
PowerPad Starter Kit 432
PowerSecretary 433
Pre-Dict-ate 433
ProPoint 434
Proportional Keystroke Scanner 434
QUADLynx Trackball 435
Reading Edge 435
Remote Keyboard for the Apple II+ and IIe 436
RemotePoint 436
RevolvingDoors 437
Scanning WSKE II 437
ScottBridge Speech Access System 438
ScreenDoors 438
Select-Ease Keyboard 439
Serial Trackball and PS/2 Trackball 439
SofType 440
Speak Out VOILA 440
Speech Recognition Systems 441
Stingray 441
Switch Modified PowerPad 442
Switch-Adapted Mouse (SAM) 442
Switch-Back 443
SwitchMouse 443
SynergyMac and SynergyPC 444
TouchWindow 444
Trackball Pro 445
TrackMan Live! 445
TrackMan Voyager 446
Trak101 Keyboard 446
Turbo Mouse 4.0 447
Turbo Trackball 447
Vertical 448
Voice Mouse/Keyboard (VMK) Controller 448
Voice User 449
WinKing Keyboard (2448F, 2448Q) 449
WinMini Keyboard (2447F, 2447Q) 450
WiViK 2.0 (Windows Visual Keyboard) 450

Chapter 13: Input Adapters for Computers 451

Apple Computer Input Adapter 453
BEST Switch Interface 453
ClickIt! 454
Computer Interface Box 454
Computer Switch Interface 455
CrossScanner 455
DA-II Adapter 456
Input Adapter 456
Internal I/O Port Adapter 457
Judy Lynn PC Adapter 457
Keyboard Expander 458
Keyboard Interfaces 458
Mac PowerPad Interface for Single Switches 459
Macintosh Switch Interface (M09) 459
PCMaster & Windows Master 460
PlayMAGIC 460
Porter, The 461
PowerSwitch 461
SS-ACCESS! 462
SuperPort 462

Switch Interface 463
T-TAM Keyboard and Mouse Emulator 463
Universal Input Adaptor 464
WinSCAN: Limited Edition 464

Chapter 14: Voice-Output Screen Readers and Reading Machines 465

Artic TransBook 467
Artic TransType 467
ASAP (Automatic Speech Access Program) 468
BookWise 468
Braille 'n Speak 469
Braille 'n Speak Classic 469
Braille Lite 470
BrailleMate 2 470
Business Vision 471
David 471
Echo II with Textalker & Echo II with Textalker-GS 472
Emacspeak 472
Gizmo 473
HandiCHAT and HandiCHAT Deluxe 473
IBM Screen Reader/2 474
IBM Screen Reader/DOS 474
Infovox 210 475
JAWS for Windows 475
JAWS Screenreader 476
Keynote Companion 476
Language Master Special Edition - LM6000SE 477
Magnum 477
Myna 478
Open Book 478
Open Book Unbound 479
outSPOKEN 1.7 479
outSPOKEN for Windows 480
Protalk23 for Windows 480
PROVOX 481
Reading AdvantEdge 481
ScanTELL 482
ScreenPower 482
ScreenPower for Windows 483
Seekline 483
Slimware 484
Slimware Window Bridge 484
SoundProof 485
Speaqualizer Speech Access System 485
Textalker-GS 486
Tinytalk 486
Type 'n Speak 487
Vocal-Eyes 487
Win Vision 488
Window-Eyes 488
WINKLiNE 489
WordScholar 489

Chapter 15: Magnification Products for Computer Displays 491

Adjustable EZ Magnifier 493
B-Pop 493
Beamscope 494
Big-W 494
CloseView 495
Compu-Lenz 495
GNK Magnifier 496
inLARGE 2.0 496

Large-Type Display Utility Software ... 497
Lens 2.03 ... 497
LP-DOS & LP-Windows ... 498
MAGic and MAGic Deluxe ... 498
Magnum Deluxe ... 499
Magnum GT ... 499
NuVu Magnifier ... 500
Panorama ... 500
Powerama ... 501
Screen Magnifier/2 ... 501
Vantage CCD ... 502
Vista ... 502
ZoomText 5 ... 503

Chapter 16: Braille and Tactile Output Systems ... 505

ALVA Braille Terminals ... 507
Braille Blazer ... 507
Braille BookMaker and Braille Express 100 & 500 ... 508
Braille-N-Print ... 508
BrailleAccess ... 509
BRAILLEX-2D ... 509
Braillo 200 ... 510
Braillo 400 S ... 510
Braillo Comet ... 511
DM80/FM ... 511
Index Basic ... 512
Index Basic-D ... 512
Index Everest-D ... 513
INKA ... 513
Juliet Brailler ... 514
KTS Braille Display ... 514
Marathon Brailler ... 515
MasterTOUCH ... 515
Mountbatten Brailler ... 516
NOMAD Talking Touch Pad & NOMAD Gold ... 516
Notex 486 ... 517
Ohtsuki BT-5000 Braille/Print Printer ... 517
Optacon II ... 518
Paragon Braille Printer ... 518
PowerBraille 40, 65, & 80 ... 519
Ransley Braille Interface (RBI) ... 519
Romeo Brailler Model RB-25 ... 520
Romeo Brailler Model RB-40 ... 520
TEXTALKER ... 521
Thomas Brailler ... 521
TranSend System ... 522
VersaPoint-40 Braille Embosser ... 522

Chapter 17: Speech Synthesizers ... 523

Accent-MC ... 525
Accent-PC ... 525
Accent-SA ... 526
Artic TransPort ... 526
Audapter Speech System ... 527
CallText 5000 ... 527
DECtalk ... 528
DECtalk PC & DECtalk Express ... 528
DJ ProPack Speech Module ... 529
Echo II ... 529
Echo LC ... 530
Echo PCII ... 530
Echo-PC ... 531

Infovox 500, 700 & 750 ... 531
Keynote GOLD ... 532
Lite Talk ... 532
Messenger-IC ... 533
Mini Transport II ... 533
MultiVoice ... 534
SmarTalk ... 534
Sounding Board ... 535
Speak-Out ... 535
SynPhonix 210 and 215 ... 536
SynPhonix 310 and 315 ... 536
SynPhonix P27 ... 537
VocaLite ... 537
VoiceCard ... 538

Chapter 18: Other Software and Hardware Adaptations ... 539

AbleOffice ... 541
ADJUSTable ... 541
Apple IIGS Owner's Guide: Disk Edition ... 542
AppleWorks Manuals: Special Editions ... 542
Brailled Keyboard Model--Apple IIe ... 543
CompuDesk HCP ... 543
Computer Workstation Furniture ... 544
Comtel ... 544
Disk Guide (2485) ... 545
DOS Tape ... 545
Dual Channel Headset ... 546
EasyRiser ... 546
Generation IV Adjustable Computer Tables ... 547
Governor (2464) ... 547
IntelliKeys Overlay Maker ... 548
Ke:nx Easy Overlays ... 548
Media Handling Products ... 549
Modular Turntable Desks ... 549
Rx WorkStation ... 550
Scanning Conversion Program ... 550
Talk-to-Me Tutorial Cassettes ... 551
Talking Utilities for ProDOS ... 551
TarsalRest ... 552
Variable Height Desk ... 552

Chapter 19: Training and Therapy Software ... 553

101 Animations ... 556
Adult Switch Progressions ... 556
Adventures of Jimmy Jumper - Prepositions ... 557
Antonyms and Synonyms (Cognitive Disorders 12) ... 557
APH Presents the Talking Apple Computer ... 558
Aphasia Series: I through VIII ... 558
Association Pictures ... 559
Attention, Perception & Discrimination Plus for Windows ... 559
Audio Braille Game Tutorial ... 560
Babysitting Basics ... 560
Be a Winner Series ... 561
Bear Jam ... 561
BEST Faces ... 562
Big/Little I and II ... 562
Blocks in Motion ... 563
Blueprint for Decision Making ... 563
Body Builder ... 564
Bozons' Quest ... 564
Braille Tutorial ... 565
Breakthrough to Language: Clinical Edition ... 565

Breakthrough to Language: Home Edition 566
Buddy's Body 566
Build-A-Scene 567
Cafet-for-Voice 567
CanSpeak 568
Captain's Log: Cognitive Training System 568
Categories Plus for Windows 569
Category Discrimination and Reasoning Plus for Windows 569
Category Naming and Completion Plus for Windows 570
Cause & Effect 570
Cause 'n Effect 571
CAV-ASL 571
Children's Switch Progressions 572
Circletime Tales & Circletime Tales Deluxe 572
Cognitive Disorders I, II, III, IV 573
Cognitive Rehabilitation Software 573
Cogrehab Vol. 1 574
Cogrehab Vol. 2 574
Cogrehab Vol. 3 Version 2.0 575
Cogrehab Vol. 4 575
Cogrehab Vol. 5 576
Cogrehab Vol. 6 576
Cogrehab Vol. 7: Quest 577
COINSNKEYS 577
Color Find 578
Colorful Concept Software 578
Colors and Shapes 579
Communication Training Program 579
Community Signs 580
Community Vehicles 580
Completion From Partial Information Plus for Windows 581
Computer CUP 581
Computer Literacy Series 582
CONCENTRATE! On Words & Concepts 582
Construc 583
Core Reading and Vocabulary Development 583
Creature Antics and Creature Capers 584
Creature Cartoons 584
Creature Chorus 585
Creature Features 585
Creature Magic 586
CrossWords 586
Data Entry 587
Deductive Reasoning Plus for Windows 587
Definitions Plus for Windows 588
Dino-Games 588
Dinosaur Game 589
Dollars & Cents Series 589
Early and Advanced Switch Games 590
Early Concepts 590
Early Emerging Rules Series 591
Early Learning 3.5/Complete Early Learning 5.25 591
Early Learning I 592
Edmark Functional Word Series 592
Eency-Weency Spider Game 593
Elementary Signer 593
Employment Signs 594
English on the Job 594
Every Day Is A Holiday 595
Exploring Early Vocabulary Series 595
Family Fun 596
Fast Food Game 596
Feelings 597
Find the Buttons 597

Fingerspeller 598
Fingerspelling & Numbers 598
FingerZoids 599
First Categories 599
First Mate 600
First Step Software 600
First Verbs and Primeros Verbos 601
First Words 601
First Words II 602
Following Directions: One- and Two-Level Commands 602
Following Directions: Left and Right 603
Food Facts 603
Foundations I 604
Foundations II 604
Function Pictures 605
Functional Vocabulary Plus for Windows 605
Fundamental Concepts 606
Further Adventures of Jimmy Jumper - Perseverance 606
Getting Clean with Herkimer Level I, II, III 607
GrammarPlay with Alps and Droops 607
Grocery Store Words 608
Hierarchical Attention Training 608
Homographs 609
Homophones 609
Human Being Machine 610
If You're Happy and You Know It 610
Improving Your Self-Concept 611
Inferential Naming for Cognitive and Language Disorders 611
Inferential Naming Plus for Windows 612
Information Signs 612
Initial Phoneme Cuing for Aphasics 613
Interaction Games 613
Interaction Games II 614
Job Readiness Series 614
Job Seeking Series 615
Job Success Series 615
Join the Circus 616
Joystick Trainer 616
Keyboarding by Ability 617
Keyboarding for Individual Achievement 617
Keyboarding for People with Cerebral Palsy 618
Keyboarding Program with Voice Output 618
Keyboarding with One Hand 619
Keys to Success: Comp. Keybd. Skills for Blind Children 619
Laryngograph 620
Learn to Scan 620
Learning Activity Packets (LAPs) 621
Learning How to Learn Series 621
Learning to Count 622
Learning to Reason Series 622
Learning to Spell Braille Signs 623
Less, More, Make Equal 623
Let's Go Shopping I and II 624
Let's Go to the Circus 624
Letter Find 625
LetterTALK+ 625
Listen With Your Ears 626
Living Alone 626
Logi 627
Logo TouchTools for the PowerPad 627
Magic 628
Make It In Time 628
Make It Scan 629
Mastering Personal Information (MPI) 629

Math Max 630
Math on the Job 630
Maze 631
Medical Words 631
Memory for Animated Sequences Plus for Windows 632
Memory I 632
Memory II 633
Micro Guide to Careers Series 633
Micro-LADS and Micro-LADS in French 634
Microcomputer Evaluation of Career Areas (MECA) 634
Mind Castle I and II 635
Minimal Contrast Stories Plus for Windows 635
Minimal Contrast Therapy 636
Mix 'N Match 636
Money Matters 637
Money Skills 637
Motor Training Games 638
Motor Training Games 638
Multi-SCAN 639
Multiple Meaning Words I Plus for Windows 639
Multiple Meaning Words II Plus for Windows 640
MusicWare 640
MusicWare - Age Appropriate 641
MY HOUSE: Language Activities of Daily Living 641
My Paint & Talking Coloring Books 642
MY SCHOOL: Language Activites of Daily Living 642
MY TOWN: Language Activities of Daily Living 643
Nasometer Model 6200-3 643
New Frog & Fly 644
Numeric Concepts I and II 644
Occupations 645
Octobus 645
Old MacDonald's Farm I and II 646
On the Job Series - Career Interests 646
On the Job Series - Communication Skills 647
On the Job Series - Mathematics 647
On the Job Series - Problem Solving Skills 648
One Switch Picasso 648
Opening Windows 649
Opposites and Similarities Plus for Windows 649
Order Processing 650
Padded Food 650
Padded Vehicles 651
Paper Dolls I and II 651
PC Typer 652
Personal Development Software Series 652
Pick-A-Meal 653
Pictalk 653
Picture Cue Dictionary 654
Picture Identification Plus for Windows 654
Picture Naming Plus for Windows 655
Picture Scanner 655
Picture/Theme Disks 656
Pictures Programs: I, II and III 656
Point to Pictures 657
Positive Parenting 657
PowerPad Preschool Pack I & II 658
PowerTalker 658
Prefix 659
Preposition Fill-Ins 659
Press to Play 660
Primer 83 660
Problem Solving I 661
R.A.P.S. Software Series I PowerPad 661

Rabbit Scanner 662
Race the Clock 662
Rate Drill in Articulation, Language and Fluency 663
Reactions (R73) 663
Reading a Ruler - English & Metric 664
Reading Comprehension for Adolescents 664
Reasoning Skills on the Job 665
Rhyming Pictures 665
Rockets to the Moon 666
Run Rabbit Run 666
Safety Signs 667
Scan & Match 1, 2, 3, and 4 667
Scan It - Switch It 668
Scanning Picasso 668
Seasons 669
Seek & Find 669
Semantic Development Using Code Breaking Strategies 670
Sentence Completion Plus for Windows 670
Sentence Key & Picture Sequence Key 671
Sentence Master 671
Shell Game & Mouse Game 672
Sight Words 672
Silly Sandwich 673
Simple Sentence Structure 673
SimpleCom I: Yes/No Communication 674
SimpleCom II: Needs/Wants Communication 674
Single Switch Software 675
Single Switch/MatchBox Pack I 675
Son of Seek and Find 676
Sorting by Category Plus for Windows 676
Sound Scope 677
Special Education Public Domain Software 677
SpeechViewer II 678
Steps for Career Choice 678
Storytime Series 679
Storytime Series for Macintosh 679
Studio4 680
Subtle Messages 680
Survival Words 681
Swim, Swam, Swum: Mastering Irregular Verbs 681
Switch Arcade 682
Switch Arcade 682
Switch Art 683
Switch It - Change It 683
Switch It - See It 684
Switch Puzzles 684
SwitchEnsemble 685
Talking Hands 685
Talking Literacy Kit for the Apple IIe (TALK IIe) 686
Talking Nouns, Talking Nouns II, and Talking Verbs 686
Talking Touch Window 687
Talking Typer 687
TalkTime with Tucker 688
Tea Party 688
Teenage Switch Progressions 689
Telling Time 689
Telling Time, Parts of the Face, Learning Colors 690
THINKable/DOS 690
This is the Way We Wash Our Face 691
This Old Man 691
Timekeeper 692
Touch and Match 692
Touch and See 693
TouchMoney 693

Traffic Signs Plus for Windows 694
Transportation Signs 694
Trip to the Zoo 695
Turn-Talking 695
Twenty Categories 696
UKanDu Little Books 696
UKanDu Switches, Too! 697
Understanding Attributes 697
Verb Fill-Ins 698
Verbal Analogies 698
Verbal Analogies Plus for Windows 699
Video Voice Speech Training System 699
Visi-Pitch Model 3300 700
Visual Confrontation Naming Plus for Windows 700
Visual Memory Plus for Windows 701
Visual Motor Skills 701
Visual Pattern Memory Plus for Windows 702
Visuospatial Skills I 702
Visuospatial Skills II 703
Vortex Machine Assisted Reader Software 703
Wheels On The Bus I, II, III 704
Wheels on the Bus I, II, III - Intellipics Activity 704
Wheels on the Bus: COMPLETE 705
Where is Puff? 705
Word Association Plus for Windows 706
Word Order in Sentences 706
Word Order Plus for Windows 707
Words and Concepts I, II, III 707
WordWise Software 708
Worm Squirm 708
WSCC (Washington State Cooperative Curriculum) 709
Zoo Time 709

Chapter 20: Adaptive Educational Software 711

Access to Math 713
APH/SEI Talking Software 713
Arithmetic 1, 2, and 3 with Speech 714
Basic Learning Skills Courseware 714
CAMEO 715
Career English 715
Complete Spelling Program 716
Drive to Live 716
Early Learning II 717
Early Learning III 717
Edmark Reading Program, Level 1 Software 718
Elementary Volume 1 - Mathematics 718
ERIN (Early Recognition Intervention Network) 719
Focus on Facts 719
Focus on Nations 720
Geometric Figures and Spatial Concepts 720
H:2 Handicapped Arithmetic Flash Cards 721
JOKUS Software 721
K.C. & Clyde in Fly Ball 722
Learning the Alphabet 722
Listen and Spell 723
Prefixes 723
Program for Aphasics 724
Readable Stories Series 724
Reading Horizons 725
Sensible Speller: Talking APH Edition 725
Sharon's Programs 726
Sight Word Spelling 726
Speaking Speller 727

Spell-A-Word & 2+2 727
Spell-Talk 728
Spelling Tutor 728
SPELLIST 729
Spin and Spell 729
Study Buddy 730
Talking Public Domain Disks 730
Talking Riddles 731
Voice Math 731
Voice Reading Ability Drill 732
Wordplay with Alps and Droops 732
Write 733
Write This Way 733
Zero to Five 734

Chapter 21: Personal Tool and Aid Software 735

APH Scientific Calculator: for Apple II Computers 737
Atlas Speaks 737
Auto Braille 738
B-Edit 738
BEX 3.1 739
BIG for 1-2-3 739
BIG for WordPerfect 740
Big:Calc 740
Biggy 741
BlissWrite 741
Braille-Talk 742
Braille-Term Program 742
Calc-Talk 743
Calcworthy 743
Checkbook Program 744
CINTEX I 744
Co:Writer 745
Duxbury Braille Board for Microsoft Windows 745
Duxbury Braille Font 746
Duxbury Braille Translator (DBT) 746
Duxbury Braille Translator for WordPerfect (DUXWP) 747
Easy-Braille Translator 747
Edgar 748
Electric Crayon and Electric Crayon Deluxe 748
ETgraphX 749
ExerciseBreak 749
Eye Relief 750
File-Talk 750
Finish Line 751
FormMate 751
Freedom Writer 752
H:1 Handicapped Word Games 752
I Can Play, Too! 753
IBM-VBII 753
Keysoft 754
Keyterm 754
Large Print Word Processors 755
Letter Art with Braille Translator 755
Mac-Apple Communications Aid 756
Magic Slate II 756
Me Too! 757
MegaDots 757
MicroBraille 2 758
MicroIllustrator 758
Minspeak Application Programs (MAP) 759
Multi-Line Dial-A-News System 759
NAMES 760

Noteworthy 760
PC Braille 761
Picture Braille 761
Picture Perfect 762
PowerPad Toolkit 4 762
Predict It 763
RAPIDTEXT 763
SeeBEEP 764
Strider 764
Talking Data Acquisition System Software 765
Talking Sensible Speller 765
Talking Utilities for DOS 3.3 766
Talking Writer & Four Games 766
TeleDesk Visually Impaired Operator Console 767
Telepathic II 767
Term-Talk 768
TextGrabber 768
Trace Math Aid 769
TurboBraille 769
TypeIt4Me 770
VersaBraille Electric Webster 770
VisAbility 771
WinDOTS 771
Wish Writer 772
WiVox 772
Word-Talk 773
Work-Station Pro 773
Write:OutLoud 774
WriteAway 774

Appendix A: Information Resources 775

A-1: Books and Pamphlets 777
A-2: Disability Resources on the Internet 781
A-3: Information Resources for Blind and Visually Impaired Individuals 782
A-4: Information Resources for Deaf and Hearing Impaired Individuals 786
A-5: Networks, Bulletin Boards and Databases 788
A-6: Newsletters and Journals 791
A-7: Selected Resources on Computers and Learning Disabilities 794
A-8: Software Resources 796

Appendix B: Service Providers and Organizations 799

B-1: Alliance for Technology Access: Member Sites 801
B-2: Computer Assessment and Training Programs for Disabled Individuals 804
B-3: Conferences 807
B-4: Organizations, Advocacy Groups and Self-Help Groups 808
B-5: Professional Associations 812
B-6: Resources on the Americans with Disabilities Act 813
B-7: Service Centers for Augmentative Communication and Computer Access 815
B-8: Technology-Related Assistance Act: State Programs 822
B-9: Training Programs in Technology for Special Education 826

Appendix C: Glossary 827

Index 1: Products Listed by Function 835

Index 2: Products Listed by Input/Output Feature 861

Index 3: Switches Listed by Input/Output Feature 879

Index 4: Products Listed by Computer 885

Index 5: Manufacturers Listed with their Products 901

Index 6: Alphabetical Listing of all Products 921

39

Chapter 1

Speech Aids

This chapter includes prosthetic and orthotic oral speech systems. Basically, these are devices which make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

Devices that fit in the category of speech aids include: artificial larynges, speech adaptations for tracheostomies, speech clarifiers, and speech amplifiers (including speech amplifiers in telephone handsets). Hearing aids and telephone amplifiers for hearing impaired people are not included in this ResourceBook.

The products in this chapter are listed under various "function" codes in the first cross-reference index in the back of this volume. Related function codes include: Artificial Larynx (AL), Voice Amplifier (VA), and Speech Aid (SA).

The following product entries appear in this chapter:

ADDvox III System, *3*
Amplifiers, *3*
Cooper-Rand Electronic Speech Aid, *4*
Denrick Speech Aid, *4*
Electronic Artificial Larynx, *5*
Electronic Speech Clarifiers, *5*
Handset for Speech Amplification, *6*
Mini Vox Amplifier, *6*
Nu-Vois, *7*
Park Speech Amplifier, *7*
Passy-Muir Speaking Valves, *8*
Rand Voice Amplifier, *8*
Robot Voice Synthesizer, *9*
SERVOX Inton, *9*
Speech Enhancer 100, 200 & 400, *10*
Speechmaker, *10*
Tokyo Artificial Larynx, *11*
Voice Amplificaider, *11*
Voicette, *12*

Product Name: ADDvox III System

Vendor: Stanton Magnetics

Size: 2.75" x 4.75" x 1"

Weight: 7 oz.

Power Source: Rechargeable battery

Cost: $325.00 - $370.00

The ADDvox III is a speech enhancement system for those who have difficulty projecting their voice. The amplifier speaker box is available with either a headband or neckband microphone. The ADDvox III system consists of an amplifier speaker box, extension cable, neck or headband microphone, four Ni-Cad batteries, and a recharger adaptor. The newest model features a switchable outlet for personal button receiver listening in speech training usage.

No Photograph Available

Product Name: Amplifiers

Vendor: Various (Generic Product)

Cost: Varies

A number of modern communication technology products such as computers and telephones produce sound output without the ability to vary the volume or the maximum volume is too low. Additionally, many products used as components of communication systems depend on speech output. Sound amplification systems are essential for setting volumes specific to the needs of environments as well as for individuals with hearing impairments. Trial periods should be performed to observe whether these products meet the particular amplification need.

Amplification systems powered by batteries are available from mass market sources including electronic mail order catalogs, local electronic parts and appliance stores, in the electronic departments within larger variety stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and often in gift specialty catalogs that carry personal convenience types of devices.

Product Name: Cooper-Rand Electronic Speech Aid

Vendor: Luminaud, Inc.

Size: 2.63" x 4.13" x 1.5"

Weight: 7 oz.

Power Source: 9V battery

Cost: $465.00 - $485.00

Cooper-Rand Electronic Speech Aid is an artificial larynx. The user inserts a tube projecting from the tone generator into the mouth; a tone from this tube supplies the individual's missing or insufficient vocal tone. The tone can be turned on and off and pitch can be adjusted. A puff switch control that requires only mouth air is also available. Various other versions which require little or no use of hands or arms are available.

Product Name: Denrick Speech Aid

Vendor: Luminaud, Inc.

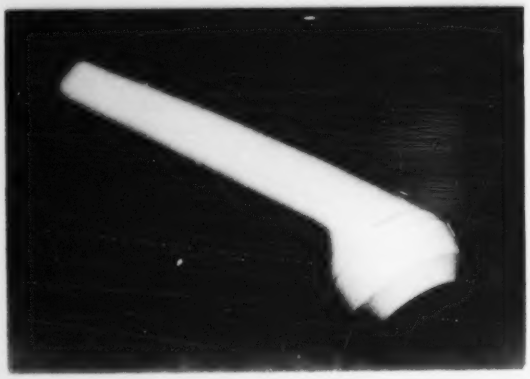
Size: 5.25" long

Weight: 5 oz.

Power Source: 9V battery

Cost: $375.00

The Denrick Speech Aid is an artificial larynx designed for individuals who have lost the use of their own larynx. The device has three tones for variety in speech and easy pitch adjustment. One charge lasts for up to a full day in normal use. The Denrick can be used with an oral adapter. The Denrick Speech Aid is produced by Denrick, Inc.



Product Name: Electronic Artificial Larynx

Vendor: AT & T Accessible Communication Products Center

Size: 6" x 2"

Weight: 4 oz.

Power Source: 9V battery

Cost: $229.99

The Electronic Artificial Larynx is a speaking aid for individuals who have lost the use of their larynx. The tip of the cylindrical device is pressed against the throat. Vibrations transmitted to the throat substitute for the lost vocal tone, and the user forms words with the mouth in normal fashion. The Electronic Artificial Larynx produces electronic vibrations that roughly simulate the natural vibrations of the human voice.

Product Name: Electronic Speech Clarifiers

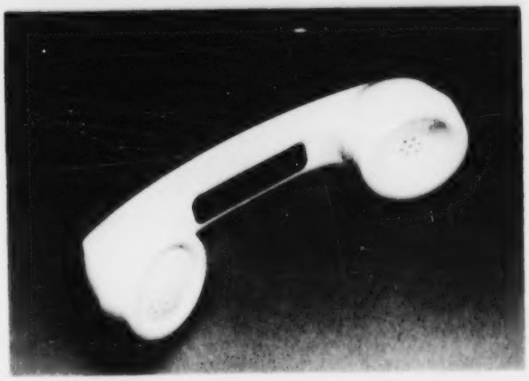
Vendor: National Institute for Rehabilitation Engineering

Power Source: Internal battery

Cost: $850.00 - $1,250.00

Electronic Speech Clarifiers can be used to enhance the quality and intelligibility of an individual's speech. The user's voice is filtered through the speech clarifier, and the result is spoken by the machine. Three types of clarifiers are available: worn in the ear, mounted on eyeglass frames, or worn on the belt. Each speech clarifier is custom-made based on the user's needs.

44



Product Name: Handset for Speech Amplification

Vendor: AT & T SourceBook

Size: 8" long

Weight: 1 lb.

Cost: $95.00

The Handset for Speech Amplification is identical to a normal telephone handset, but offers a volume adjustment that can amplify a user's voice up to 30%. A small dial on the handset is used to adjust the volume. The handset has a standard modulator phone connection and can be connected in place of the standard phone handset. Contact manufacturer for further information on connectors and price.

No Photograph Available

Product Name: Mini Vox Amplifier

Vendor: Luminaud, Inc.

Size: 8" x 6.75" x 9.5"

Weight: 5.25 lbs.

Power Source: C cell batteries

Cost: $240.00 - $590.00

Mini Vox Amplifier is a portable, battery operated voice amplifier. The device is available with either "plug-in" or wireless microphones. Various hands-free microphones are also available. Volume level can be adjusted from levels suitable for one to one communication up to groups of 200 plus. Mini Vox can also be powered by a rechargeable battery pack.

Product Name: Nu-Vois

Vendor: Luminaud, Inc.

Weight: 4.5 oz.

Power Source: 9V battery

Cost: $495.00

The Nu-Vois is an artificial larnyx with full control of volume and a self contained pitch adjusting screwdriver. The device is made of durable materials and includes a neck cord. The Nu-Vois operates with one light touch control button. Nu-Vois is produced by Mountain Precision Engineering, Inc.

Product Name: Park Speech Amplifier

Vendor: Park Surgical Company, Inc.

Size: 4" x 2.25" x 1.14"

Weight: 4 oz.

Cost: $270.00 - $320.00

Park Speech Amplifier is a small battery-powered portable amplifier. Connected to the amplifier is a microphone that the user speaks into and a speaker that broadcasts the amplified voice. Three microphone models are available: hand-held ($270.00), throat ($270.00) or headset ($320.00). The unit uses two rechargeable batteries and includes a one year warranty.

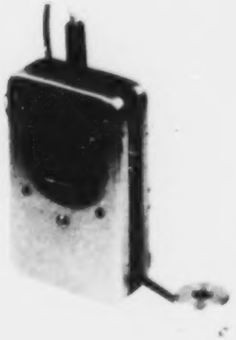
Product Name: Passy-Muir Speaking Valves

Vendor: Passy-Muir, Inc.

Size: 1" x 1"

Cost: $75.00 per set

The Passy-Muir Tracheostomy and Ventilator Speaking Valves are patented "positive closure" design one-way valves that fit on the 15 mm hub of adult and pediatric tracheostomy tubes. The valves re-direct exhaled air around the tracheostomy tube and out the oronasopharynx which allows for speech.



Product Name: Rand Voice Amplifier

Vendor: Luminaud, Inc.

Size: 2.63" x 4.13" x 1.04"

Weight: 10.5 oz.

Power Source: 9V battery

Cost: $170.00

Rand Voice Amplifier is a small, portable voice amplifier that can be clipped on to a person's pocket or belt. A small unidirectional microphone is held to the lips; the voice comes out amplified through the main unit amplifier.

No Photograph Available

Product Name: Robot Voice Synthesizer

Vendor: Crestwood Company

Size: 4" tall

Cost: $25.95

The Robot Voice Synthesizer is a temporary device for laryngectomees and children with tracheotomy. A tube attached to the toy robot is placed in the mouth. When words are mouthed slowly, the voice synthesizer sounds like a robot's voice.

Price includes two toy robots. The manufacturer will not except returns on this product.

Product Name: SERVOX Inton

Vendor: Siemens Hearing Instruments, Inc.

Size: 4.7" x 1.4" diam.

Weight: 6.5 oz.

Power Source: Rechargeable battery

Cost: $599.00 - $699.00

SERVOX Inton is an enhanced version of the SERVOX artificial larynx. The user holds the SERVOX Inton's vibrating membrane up to the throat, a tone is transmitted through the vocal tract, and the user articulates it into speech. The SERVOX Inton features soft-touch buttons, volume control and intonation capability. An oral connector is available for intra-oral use (extra).

No Photograph Available

Product Name: Speech Enhancer 100, 200 & 400

Vendor: Luminaud, Inc.

Size: 9" x 7" x 3"

Weight: 2.5 lbs.

Power Source: 120V AC or Battery

Cost: $1,095.00 - $1,895.00

The Speech Enhancers are automated speech processing devices for electronic speech clarification of dysarthric speech. Voice level compensation allows for a normal range of vocal modulation and expression for natural-sounding conversation. A proprietary proximity microphone and electronic processing discriminates the talker's voice from the surrounding noise and reduces the possibility of feedback.

Model 400 (Professsional Enhancer) is designed for evaluation and treatment in a clinical environment and sells for $1895.00. Model 200 (Transportable Personal Enhancer) operates from an internal rechargeable cell and sells for $1449.00. Model 100 (Powered Personal Enhancer) incorporates the full Enhancer speech processing capability but runs off of a wheelchair's batteries.

Product Name: Speechmaker

Vendor: Williams Sound Corporation

Size: 5.5" x 4.5" x 1.88" (speaker)

Weight: 17.5 oz.

Power Source: Rechargeable battery

Cost: $329.00

The Speechmaker is a body-worn personal speech amplifier designed to increase the volume of a weak or esophageal voice. The system consists of a microphone that can be mounted on either side of the talker's mouth, a compact amplifier, and a loudspeaker to reduce feedback. The body speaker can be worn at various positions on the body, mounted on a wheelchair, or placed on a flat surface. Speechmaker also includes a rechargeable battery, battery charger, belt clip, and a carrying case.

Product Name: Tokyo Artificial Larynx

Vendor: Artificial Speech Aids

Size: 7.5" long

Weight: 3 oz.

Cost: $96.00

Tokyo Artificial Larynx is a breath-powered artificial larynx designed for laryngectomees. A cup the size of one and one-half inches fits over the stoma and conducts the lung wind to a unit containing a rubber diaphragm. This diaphragm vibrates, generating a tone which is then conducted through a tube into the user's mouth. The user articulates this tone into speech with the normal movements of the mouth and tongue.

No Photograph Available

Product Name: Voice Amplificaider

Vendor: Crestwood Company

Power Source: 2 9V & 4 C batteries

Cost: $279.95

The Voice Amplificaider is a wireless amplification system with adjustable volume control. The set consists of a clip-on microphone with transmitter, receiver, speaker, and earphones for private conversation. Very low level voices can be heard and understood by others up to 50 feet away.

Product Name: Voicette

Vendor: Luminaud, Inc.

Size: 6.5" x 6.5" x 3"

Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $165.00

Voicette is a small, portable, battery-operated voice amplifier. The user speaks into a microphone, and the voice comes out amplified through Voicette's speaker/amplifier. Voicette comes with a carrying case. Voicette is powered by a rechargeable battery pack that can be charged on 120V AC (250V/50 cycle charger also available).

Chapter 2

Pointing and Typing Aids

This chapter includes devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included. There are other devices which are useful for pointing and typing which have not been included, however, such as hand splints or typing sticks. Pointing devices can also be customized or fabricated, so don't think that the commercially available devices in this chapter are your only options.

If a pointer is only meant to work with one specific model or brand of communication aid, it will not be listed in this chapter. Instead it will appear as part of the decription of the device that it works with. If you want to find all of the devices in the ResourceBook which are operated by headpointing, look in Index 2 (Index by Input/Output Feature), under the heading "Input Type: Head Controlled."

Other mechanical devices that can help in using keyboards or computers are keyguards and disk loaders. See Chapter 11 (Modifications for Standard Keyboards and Mice) and Chapter 18 (Other Software and Hardware Adaptations) for these devices. Electric page turners and telephone holders and latches are found in Chapter 9 (Environmental Controls and Telephone Adaptations). A related function found in Index 1 (Index by Function) is Book/Paper Handling (BP).

The following product entries appear in this chapter:

Adjustable Head Pointer, *15*
Adjustable Head Pointer, *15*
Adjustable Head Pointer PC 7590, *16*
Baton Laser Pointer, *16*
Clear-View Head Pointer, *17*
F73216-100 Page Turner/Keyboard Aid, *17*
Gripper Prehensor, *18*
H71830 Adjustable Head Pointer, *18*
H73217 Mouth Held Page Turners, *19*
Handpointers, *19*
Head Pointers: AD-1, AD-2, AD-3, *20*
Heyer-Abadie Modular Mouthstick, *20*
Laser Light Pointer, *21*
Light Beam Indicator, *21*
Light Pointer, *22*
Light Pointer, *22*
Light Pointers, *23*
LightBeam, *23*
Mouthsticks, *24*
RedLite, *24*
Slip-On Typing Aid, *25*
Talking Laser Beam, *25*
Vacuum Wand, *26*
Viewpoint Optical Indicator, *26*

The following products from other chapters can also be used as Pointing or Typing Aids:

High Tech/Low Cost, *223*
Media Handling Products, *549*
Writing Utensil Grips, *113*

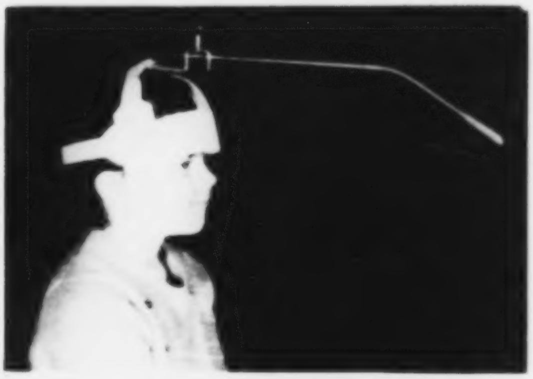
Product Name: Adjustable Head Pointer

Vendor: Cleo of New York

Weight: 1 lb.

Cost: $34.95

This head pointer has a foam-lined aluminum frame that can be bent to accommodate various size heads. The frame is held in place by an elastic headband and chin strap, both of which have adjustable hook-and-loop fasteners. Pointer length is also adjustable with velcro straps.



Product Name: Adjustable Head Pointer

Vendor: Fred Sammons, Inc.

Size: 18.5" long

Weight: 1 lb.

Cost: $34.95

The Adjustable Head Pointer is an aluminum pointer that projects from above the forehead. Size and shape of the frame, as well as the length and angle of the pointing rod are adjustable. The elastic head band and chin strap attach with hook-and-loop material.

Product Name: Adjustable Head Pointer PC 7590

Vendor: Sammons-Preston Corporation

Size: 19" long

Weight: 1.5 lbs.

Cost: $115.52

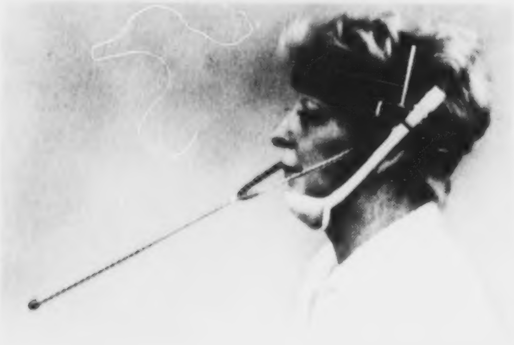
Adjustable Head Pointer is a pointer that fastens on the head with a plastic head band, and projects out over the user's forehead. The head band and the length and angle of the pointer rod are all adjustable.

Product Name: Baton Laser Pointer

Vendor: Innocomp

Cost: $595.00

Baton Laser Pointer is a head mounted pointer with an integrated sip-puff switch to enable the user to turn the laser on and off. The unit is supplied with 10 replacement mouth pieces, head gear, and battery. A sealed switching mechanism prevents the device from being damaged by fluids.



Product Name: Clear-View Head Pointer

Vendor: Fred Sammons, Inc.

Size: 24" long

Weight: 2 lbs.

Power Source: None

Cost: $84.95

Clear-View Head Pointer is a headpointer that projects out at jaw level. The design of extending the pointer from jaw level rather than forehead level places the pointer in closer proximity to the object being selected, and does not interrupt the user's field of vision during use. Clear-View Head Pointer is adjustable six ways.

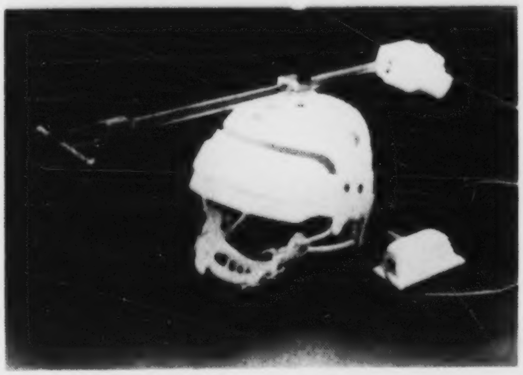
Product Name: F73216-100 Page Turner/Keyboard Aid

Vendor: Maddak, Inc.

Size: 8.75" x 1"

Cost: $17.75

Page Turner/Keyboard Aid consists of a lightweight cuff attached to a wooden dowel that has a rubber friction tip. The cuff fits on the user's hand by means of a D-ring and Velcro closure.



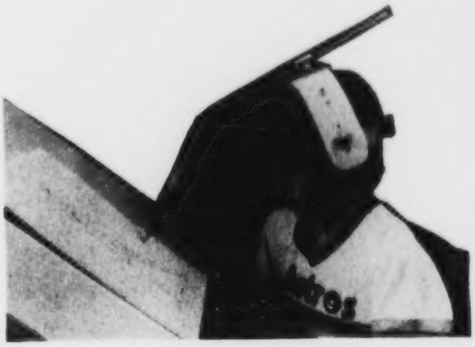
Product Name: Gripper Prehensor

Vendor: Toys for Special Children, Inc.

Cost: $425.00

Gripper Prehensor is a product designed to enable the user to pick up parts at his or her work station. It resembles a trimmed down bicycle helmet with a rod attached to it. The device is activated by depressing a button. A variety of gripping and manipulating devices, including magnetic, vacuum, and mechanical pickup, can be attached depending on the task to be performed.

The standard Gripper comes mounted on a helmet and is powered by an air compressor. Contact manufacturer for details about customizing the Gripper for use with different input devices.



Product Name: H71830 Adjustable Head Pointer

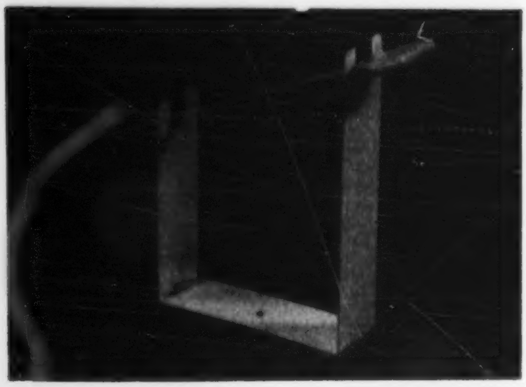
Vendor: Maddak, Inc.

Size: 19" long

Weight: 8 oz.

Cost: $94.50

This headpointer is held on the head with plastic bands adjustable to the size of the user's head. The pointer rod, which projects from the top of the head, has adjustable length and angle and a pencil holder at the tip.



Product Name: H73217 Mouth Held Page Turners

Vendor: Maddak, Inc.

Size: 12" long

Weight: 0.75 oz.

Cost: $24.90 - $29.70

Mouth Held Page Turners are mouthsticks equipped with rubber tips designed for gripping pages. Mouthpieces are heart shaped, flat, and rubber coated; shafts are plastic. Two widths are available: 1.5" and 2". A stand that can be used with either of the models is available for $9.90.

No Photograph Available

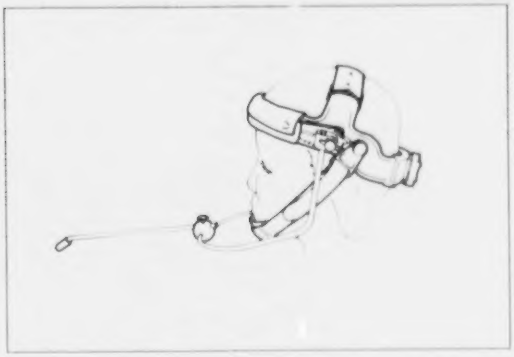
Product Name: Handpointers

Vendor: Various (Generic Product)

Cost: Varies

Handpointers provide a method for focusing uncoordinated movements to better indicate and manipulate targets, and can assist in pointing accuracy by allowing the user to stabilize movement.

Some pointers, attached to wrist splints, are available from rehabilitation equipment companies; others are custom fabricated by therapists or orthotists.



Product Name: Head Pointers: AD-1, AD-2, AD-3

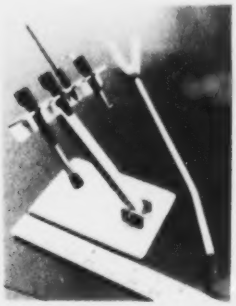
Vendor: Zygo Industries, Inc.

Size: 10" long

Weight: 8 oz.

Cost: $170.00

These Head Pointers use the chin rather than the forehead as a point of reference for the pointer. The Standard Pointer (model AD-1) may be individually fitted to head sizes ranging from 20 to 25 inches in circumference. "Tiny Tot" (AD-2) and hook-and-loop closure (AD-3) models are also available.



Product Name: Heyer-Abadie Modular Mouthstick

Vendor: Extensions for Independence

Size: See text

Weight: 2.2 oz.

Cost: $120.00 - $530.00

Heyer-Abadie Modular Mouthstick is a telescoping mouthstick system with an aluminum or stainless steel V-shaped mouthpiece. The design of the mouthpiece allows the user to talk while working the stick. The mouthstick is the basic element to which special purpose telescoping "bodies" are attached. Various mouthstick bodies and tip attachments are available.

No Photograph Available

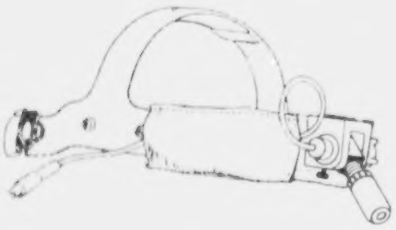
Product Name: Laser Light Pointer

Vendor: Innocomp

Power Source: 2 "AAA" batteries

Cost: $300.00

The Laser Light Pointer is designed for use with the Scan-It-All (see entry) but can also be used for light pointing to communication boards, objects, pictures, or people. The diode laser has less than 1.0 m W max output and is a Class II laser product.



Product Name: Light Beam Indicator

Vendor: Jim's Instrument Manufacturing, Inc.

Size: 22" long

Weight: 11.5 oz.

Power Source: 3 "C" batteries

Cost: $175.00 - $425.00

Light Beam Indicator is a head-mounted pointing system using both a pointing rod and an adjustable padded nylon headset with a light pointer. The rod projects out over the forehead and downward. The light pointer is positioned over the forehead and projects a concentrated light beam. Three models are available: rod and headset; rod, headset, headstick, and optics; and headstick only.

Product Name: Light Pointer

Vendor: ACS Technologies, Inc.

Size: 5.5" x 1.3" diam.

Weight: 3 oz.

Power Source: Rechargeable battery

Cost: $435.00

Light Pointer is a cylindrical device that projects a red light spot. The Light Pointer may be attached to the part of the body with which the user wants to point (head, etc.). The user then indicates selections by directing the red dot of light at the desired selection. The Light Pointer may be used on such systems as communication boards, or may serve as direct input to the ScanPAC or EvalPAC communication aids.

Product Name: Light Pointer

Vendor: Burkhart, Linda J.

Cost: $28.95

Light Pointer is a device that projects a spot of light. The pointer is designed to be mounted on the user's head and pointed toward objects. The Light Pointer can also be used to activate the Light Activated Switch (also available from Linda Burkhart).

61

No Photograph Available

Product Name: Light Pointers

Vendor: Various (Generic Product)

Cost: Varies

Many light pointers used for manual communication boards and pointing systems are designed by rehabilitation manufacturers. In recent years light pointers have been developed for other commercial applications and can be found in mass market specialty stores. For example, flashlights designed to be portable, light weight, and with a focused beam are available for camping applications from recreational and camping stores. Features to consider for all light pointers include the length of time the batteries last with heavy or constant use and the ease in which the batteries can be recharged.

Laser light pointers designed for pointing to slide and overhead projection screens are available from office supply stores, some book stores, and some science stores and catalogs. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings form local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.

Product Name: LightBeam

Vendor: Ability Research, Inc.

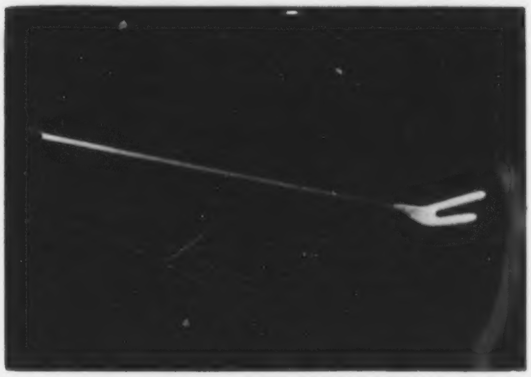
Weight: 0.5 oz.

Power Source: Rechargeable or 9V

Cost: $229.00 - $299.00

LightBeam is a small battery-operated light pointer that can be mounted on headband, eyeglasses, etc. for head pointing. LightBeam can be controlled by an ability switch, has adjustable brightness, and can project up to three feet. The device is LightSwitch and ACS compatible.

Model LBM-1 uses a 9V Alkaline cell (not included), provides up to 20 hours operation, and includes an AC adapter. Model LBM-R uses a built-in rechargeable battery, provides up to 16 hours operation per charge, and includes an AC adapter and charger.



Product Name: Mouthsticks

Vendor: Fred Sammons, Inc.

Size: 10" - 20" long

Weight: 1 - 1.5 oz.

Cost: $26.95 - $61.25

The six models of mouthsticks all have a V-shaped mouthpiece that allows tongue movement. The Wand Mouthstick has a rubber tip and can be used for typing or page turning. Clamp-On Mouthstick holds a pencil, pen, or brush. The Vertical Pincher Mouthstick has a tongue-controlled pincher at the end which can be used to insert paper into a typewriter. Also available is a Wand Mouthstick with a bend adapter that can be adjusted to the desired angle and two models of Telescoping Bendable Mouthsticks with a holder for a pen, pencil, brush, etc. or a rubber tip. Contact manufacturer for pricing information.

Product Name: RedLite

Vendor: See A Need

Size: 0.63" diameter x 3" long

Weight: 0.75 oz.

Power Source: 2 "C" batteries

Cost: $90.00

RedLite is an optical pointer that produces a focused red target pattern (0.75" diameter) at a distance of two to three feet from the pointer. The pointer is attached to a hat, headband or the temple of a pair of eyeglasses and is used to select items from an alphabet or communication board. RedLite consists of the pointer, battery pack, five-foot connecting cable and mounting instructions.

No Photograph Available

Product Name: Slip-On Typing Aid

Vendor: Access to Recreation, Inc.

Cost: $14.95

The Slip-On Typing Aid slides onto the hand and is tightened with Velcro straps. A flexible wrist and elbow are needed to properly use this typing tool. Available for left or right hands.

No Photograph Available

Product Name: Talking Laser Beam

Vendor: Crestwood Company

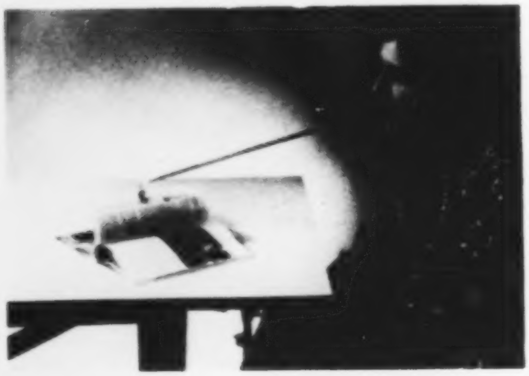
Weight: 2 or 7 oz.

Power Source: 2 "AA" batteries

Cost: $209.95

The Talking Laser Beam is a pointing aid designed as a communication tool for nonverbal users who can move a head, hand, or foot. The red light beam can project up to 100 feet on a board, wall, or ceiling. Up to 50 hours of use before battery change is required. The manufacturer suggests using the Talking Laser Beam with its Alphabet Board Kit (see entry).

The standard 7 oz. Talking Laser Beam mounts on a visor cap and is available in either adult or child size. An adapted 2 oz. version is also available that can attach to the hand or foot.



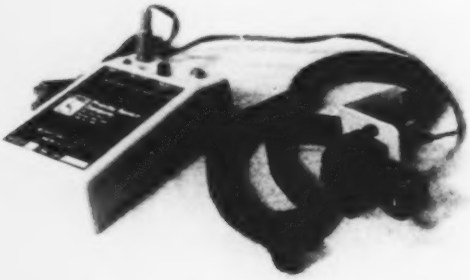
Product Name: Vacuum Wand

Vendor: Fred Sammons, Inc.

Size: 18" long

Cost: $25.95

Vacuum Wand is a mouthstick with a suction cup tip. The aluminum shaft can be cut to the desired length. Two interchangeable tips are provided.



Product Name: Viewpoint Optical Indicator

Vendor: Prentke Romich Company

Size: 2.75" x 1.75"

Weight: 3.5 oz.

Power Source: Rechargeable batteries

Cost: $390.00

Viewpoint Optical Indicator is a small lightbeam projector that mounts on the user's head with a headband. The user can point to things (such as selections on a communication board) by directing the spot of light from the Viewpoint Optical Indicator toward the desired place. The spot of light is approximately 0.63" in diameter at a distance of 2 feet. The position and angle of the pointer are adjustable.

Chapter 3

Training and Communication Initiation Aids

This chapter includes all electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. A variety of simple devices for training and recording switch operation are listed. These include switch activation timers and counters, switch latches, and switch adapters for battery-operated toys. Electronic communication aids with fewer than 32 selections and no voice output, such as rotary scanners (choices arranged in a circle) and linear scanners (choices arranged in a single row) are also included. Electronic communication aids with fewer than 32 selections but offer voice output capacities were previously listed here in past editions but are now included in Chapter 5.

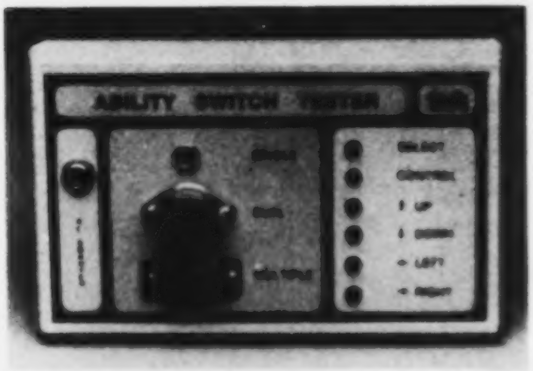
Products in this chapter are cross-referenced under a number of categories in Index 1 (Index by Function). Functions related to items in this chapter include: Conversation/Interaction (CI), Environmental Control (EC), and Assessment (AS).

The following product entries appear in this chapter:

Ability Switch Tester (5955), *29*
AC Adaptor FRE-103C, *29*
Activity Board, *30*
Activity Boxes, *30*
AND Module, *31*
And Or Box, *31*
Battery Adapter, *32*
Battery Device Adapter, *32*
Battery Interrupter, *33*
Battery Interrupters, *33*
Buzzer Box, *34*
Card Communicator, *34*
Chime Box, *35*
Clear Clock Communicator, *35*
Clock Communicator, *36*
Comboard (2615), *36*
Communiclock, *37*
Communilight 24, *37*
Compartmentalized Clock Communicator, *38*
Compartmentalized Communicator, *38*
Counter Box, *39*
Counter Module, *39*
Delay Timer Box, *40*
Dial Scan, *40*
Dual Action Latch, *41*
Dual Channel Latching Switch Interface, *41*
Dual Clock Communicator, *42*
Duo-Responder, *42*
E-Tran Scanner, *43*
Environmental Control for Kids, *43*
Intention Module, *44*
Invertor Module, *44*
Keypad (2425), *45*
Latch Box, *45*
Light Activated Switch Panel, *46*
Lighted Vibrating Signalling Buzzer, *46*
LinkSwitch, *47*
Multi-Switch Module, *47*
Music Button, *48*
Nine Compartment Row/Column Scanner, *48*
Nine Volt Battery Adapter Module, *49*
On/Off Module, *49*
Peg Switch, *50*
PigTail Adapters, *50*
Portable Sound Source II, *51*
Puzzle Switches, *51*
Quad Talk, *52*
Rhythm Generator, *52*
Round Clock Communicator, *53*
ScanLite, *53*
Sequential Scanner, *54*
Series Adapter, *54*
Six Position Activity Box, *55*
Slide Projector Control, *55*
Steeper Communication/Teaching Aid, *56*
Switch Latch (4388), *56*
Switch Latch and Timer, *57*
Switch Latch/Timer, *57*
TDD Trainer System, *58*
Three Position Activity Box, *58*
Timer Module, *59*
Toy Adapter, *59*
Toy Adapter Cables: CA-9/CA-12/CA-16, *60*
Toy Cables (4378, 4379), *60*
Trace Beeper Box, *61*
Training Aid 2, *61*
Tri-Responder, *62*
Tubular Vibrator, *62*
Universal Module, *63*
Versascan, *63*
Vibrating Sack, *64*
VoiceMate, SwitchMate, ScanMate (2701-2708), *64*
WPS Loquitur 115 and 250, *65*

The following products from other chapters can also be used as Training or Communication Initiation Aids:

101 Animations, *556*
Accularm, *311*
ActionVoice, *118*
Adult Switch Progressions, *556*
Attainment Fifteen Talker, *119*
Attainment Five Talker & Talker Plus, *120*
Attainment Two Talker, *120*
Audible Cursor Routine, *121*
Beeper, *313*
BIGmack, *122*
Call Bell (4500), *314*
Call Signal 2, *314*
Cause & Effect, *570*
Cheap Talk 4 & 8, *124*
Chime Alarm, *315*
Communication Programs, *124*
Communication Training Program, *579*
Companion 401 Communicator, *125*
Computer Keyboard Switch, *210*
Computer Switch Plate, *210*
Core Picture Vocabulary, *80*
Creature Antics and Creature Capers, *584*
Creature Chorus, *585*
Creature Features, *585*
DigiTalk 1, *127*
Dino-Games, *588*
Dinosaur Game, *589*
Emergency Call Alarm, *317*
Finger Isolation Button, *218*
Hawk, *134*
High Tech/Low Cost, *223*
I Can Play, Too!, *753*
Interaction Games, *613*
Interaction Games II, *614*
Joystick Trainer, *616*
Learn to Scan, *620*
Lighted Extra Loud Signalling Buzzer, *319*
Lighted Signalling Buzzer, *319*
Lynx, *140*
MessageMate 20, *141*
MessageMate 40, *142*
Messenger, *142*
Mini Talking Card Reader, *143*
Mini-MessageMate, *144*
Motor Training Games, *638*
Multi-SCAN, *639*
New Frog & Fly, *644*
Object Stand or Calendar Box (3 or 5), *94*
Object-Picture Talk Board, *94*
Parrot, *144*
Personal Trainer, *145*
Pictalk, *653*
Picture Scanner, *655*
Picture/Theme Disks, *656*
Point to Pictures, *657*
PowerTalker, *658*
Press to Play, *660*
Rockets to the Moon, *666*
Say-It-Simply Plus, *148*
Scan & Match 1, 2, 3, and 4, *667*
Scan It - Switch It, *668*
Secretary, *151*
Shadow Talker, *151*
Signal Buzzer, *325*
SimpleCom I: Yes/No Communication, *674*
SimpleCom II: Needs/Wants Communication, *674*
Single-Appliance Continuous Control Unit, *296*
Specialist, *153*
Storytime Series, *679*
Storytime Series for Macintosh, *679*
Switch Module, *153*
Switch Puzzles, *684*
SwitchEnsemble, *685*
Talk Back III, *155*
Talk Back VI, *155*
Talking Nouns, Talking Nouns II, and Talking Verbs, *686*
Talking Switch Plates, *157*
Talking Touch Window, *687*
This is the Way We Wash Our Face, *691*
Turn-Talking, *695*
VoicePal, *160*
VoicePal Plus, *160*
Wheels On The Bus I, II, III, *704*
Worm Squirm, *708*
Yak Bak, *162*



Product Name: Ability Switch Tester (5955)

Vendor: TASH, Inc.

Size: 6" x 3.5" x 1.5"

Weight: 8 oz.

Power Source: 9V battery

Cost: $120.00

Ability Switch Tester is a device that provides visual and auditory indication when a person activates a switch. The switch is plugged into the tester, and switch closure is indicated by a light and a tone. The auditory feedback can be switched off.

Ability Switch Tester has three different kinds of jacks, for single, dual, and multiple switches. Contact manufacturer about compatibility with a particular switch.

Product Name: AC Adaptor FRE-103C

Vendor: Creative Switch Industries

Size: 4.38" x 3.25" x 1.5"

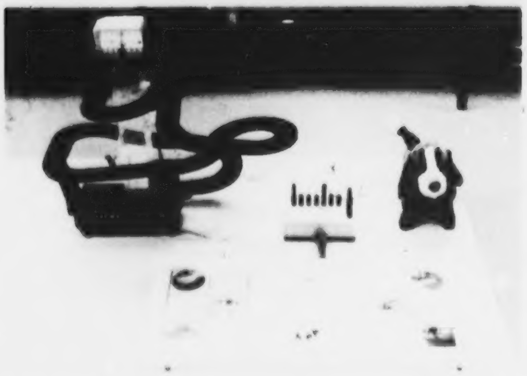
Weight: 8 oz.

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $75.50

AC Adaptor FRE-103 is a device that allows a single switch to be used to control an electrical appliance. This adaptor allows operation of any 110 volt appliance up to 1200 watts. The unit has a miniature input jack allowing use by any type of switch. The adaptor has a six foot cord.



Product Name: Activity Board

Vendor: EKEG Electronics Company LTD

Size: 12" x 24" x 1"

Weight: 5 lbs.

Cost: $375.00

Activity Board is a communication training aid consisting of 21 three-inch squares in a seven by three array. The array is covered by a sheet of clear plastic that may be removed so that pictures, symbols, letters, numbers, colors, or shapes may be placed in the grid squares. Selections are made by pressing on a square. Multiple overlays may be constructed for a variety of users. The 21 squares on the Activity Board may be grouped to represent larger activation areas if desired. The Activity Board may be used to operate a battery-operated toy or device by connecting it to a jack on the device's control box corresponding to the proper square on the board.

The Activity Board may be used to operate any battery-operated toy or device, but should not be used to control any device powered by 110V line current. A forty-square (ten by four array) version of the Activity Board is also available. Contact the manufacturer for details. One toy is included in the price of the board. A cable that allows any battery-operated device to be connected to the board is available for $25.00.

Product Name: Activity Boxes

Vendor: Therapeutic Toys, Inc.

Cost: $124.95 each

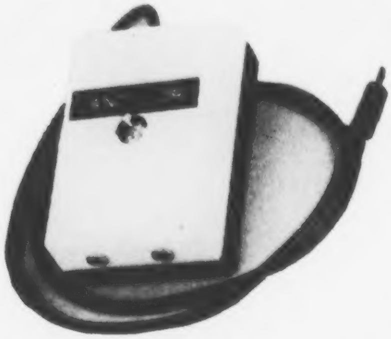
Activity Boxes feature a round touch switch, a rectangular touch switch, and a pull switch that activate a small fan. Models are available for visually impaired users, hearing impaired users, and both hearing and visually impaired users.

Product Name: AND Module

Vendor: Toys for Special Children, Inc.

Cost: $21.00

The AND Module connects between two switches and a toy or device. Both switches must be activated simultaneously for the device to operate. One user may activate both switches, or two users may activate the switches cooperatively.



Product Name: And Or Box

Vendor: Creative Switch Industries

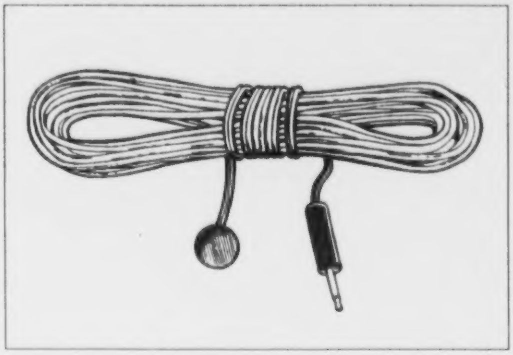
Size: 2.5" x 3.75" x 1.75"

Weight: 4 oz.

Connector Type: Mini-phone plug

Cost: $37.50

And Or Box is a device that connects two switches either in series or in parallel, and in turn connects to a switch-operated device. When the switches are in parallel, activating either one will turn on the switch-operated device. In series, both switches need to be activated at the same time. The two modes are selected using a switch on top of the box.



Product Name: Battery Adapter

Vendor: Don Johnston Incorporated

Connector Type: 1/8" phone plug

Cost: $11.50

Battery Adapter is an interface for any battery operated toy or device that allows it to be operated using a single switch. A small metal plate at one end goes between a battery and the battery clip, or is inserted between two batteries in a device. A switch plugs into the jack at the other end of the cable. When the switch is plugged into the jack, the user activates the switch, and the device is turned on.

Product Name: Battery Device Adapter

Vendor: AbleNet, Inc.

Size: 12"

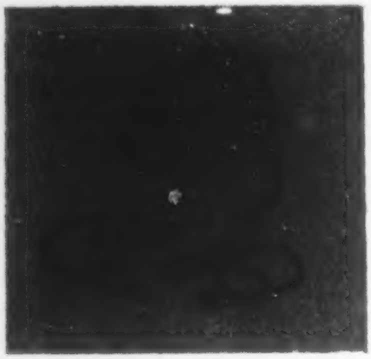
Weight: 1 oz.

Connector Type: Mini-phone plug

Cost: $7.50

The Battery Device Adapter is a cable which connects to and adapts battery-operated devices for external switch control. The cable is available in two sizes for use with a wide variety of battery-operated toys and devices powered by "AA," "C," or "D" batteries. The Battery Device Adapter consists of a circular, flexible copper disc and thin lead wire. A switch jack permits connection to Ablenet's Big Red switch (see entry) or other compatible switches.

71



Product Name: Battery Interrupter

Vendor: Toys for Special Children, Inc.

Cost: $9.00

Battery Interrupter (formerly Battery Adapter) is a cable that fits between any battery-operated toy or device and a switch, permitting the toy or device to be operated by switch. Two versions of the Battery Interrupter are available: one to be used with a device powered by "AA," and one for "C," or "D" batteries.

No Photograph Available

Product Name: Battery Interrupters

Vendor: Creative Switch Industries

Cost: $7.75 - $8.75

Battery Interrupters are devices which allow battery-operated devices to be controlled using an ability switch. The interrupter consists of a cable that connects the switch to the device to be controlled. When the interrupter is in place, the battery connection is interrupted; a switch may then be used to restore the electrical circuit and control the device.

Three models are available: Model no. 250100 ($7.75)for "AA" batteries, model no. 250140 ($8.25) for "C" or "D" batteries, and model no. 250130 ($8.75) for 9V batteries.

No Photograph Available

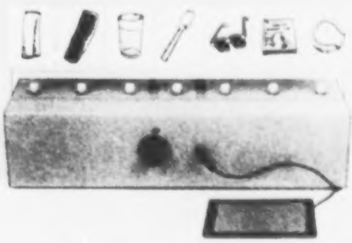
Product Name: Buzzer Box

Vendor: Kapable Kids

Connector Type: 1/8" jack

Cost: $26.00

The Buzzer Box can be activated by any switch to provide auditory feedback. The device can also be used as a simple call aid.



Product Name: Card Communicator

Vendor: Crestwood Company

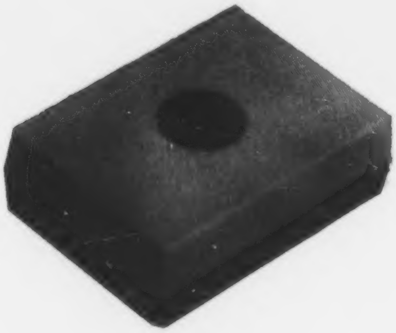
Size: 18.25" x 4.13" x 3.13"

Connector Type: 1/8" phone jack

Cost: $134.95 - $184.95

The Card Communicator is a scanning communication aid which holds up to seven symbol cards. In addition, it can enable people with limited hand movement to play card games using seven cards or less. The scanning light moves horizontally from left to right and is controlled by a single switch (not included). The scanning speed is adjustable.

The Card Communicator alone costs $134.95. The Card Communicator with Jumbo Plate Switch (see entry) costs $184.95.



Product Name: Chime Box

Vendor: Creative Switch Industries

Power Source: 9V battery

Cost: $49.00

The Chime Box is a device that produces a chiming sound on switch activation. When a switch is connected to the miniature jack, a "ding-dong" sound is produced as long as the switch is activated. The Chime Box is powered by a 9-volt battery (included).

No Photograph Available

Product Name: Clear Clock Communicator

Vendor: Toys for Special Children, Inc.

Cost: $73.00

Clear Clock Communicator is a communicaton device with a clock hand that sweeps around and points to the desired picture, word, or object affixed to the clockface. The device features single or double switch capability (one switch moves the hand clockwise, the second switch moves it counter-clockwise) and a transparent face to allow face-to-face communication.

Product Name: Clock Communicator

Vendor: Toys for Special Children, Inc.

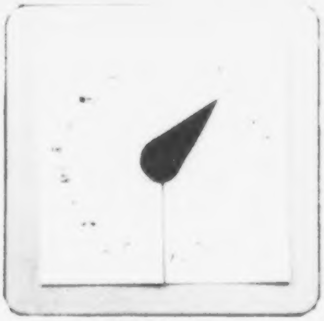
Power Source: 1 "D" battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $51.00 - $76.00

Clock Communicator is a communication training aid with a dial face. Activation of a single switch causes a pointer to revolve. The user releases the switch when the desired position is reached. Any words, pictures, or symbols may be placed on the face of the Clock Communicator to be selected by the user. The speed of the pointer's movement is adjustable.

Two sizes are available. A musical version of the Clock Communicator, with a built-in electronic music box that plays while the pointer is moving, is also available.



Product Name: Comboard (2615)

Vendor: TASH, Inc.

Size: 20" x 20" x 2.5"

Weight: 5 lbs.

Power Source: 4 "C" batteries

Connector Type: 9- or 5-pin DIN, 3.5 mm phone

Cost: $240.00

Comboard is a scanning communication training device with a dial face. The user activates a single switch to move the pointer clockwise, two single switches to move the pointer clockwise or counterclockwise, or a dual switch to move the pointer either clockwise or counterclockwise. The speed of the pointer movement is adjustable. Comboard comes with adhesive labels for over 100 basic needs, letters, numbers, and pictures.

Product Name: Communiclock

Vendor: Crestwood Company

Size: 15.75" x 14.25" x 8"

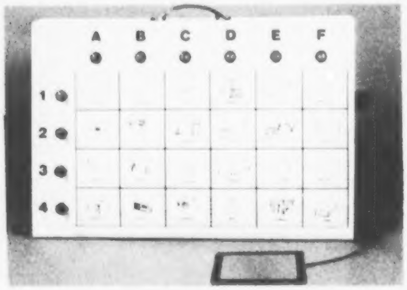
Weight: 4.75 lbs.

Power Source: Battery

Cost: $214.95 - $259.95

Communiclock is a patented scanning communication training device operated by either a single button on the device or an external switch. As long as the switch is closed, the pointer on Communiclock turns clockwise. The user releases the control switch to stop the pointer at the desired selection. The direction of the pointer can be reversed with a flipper switch. Six blank overlays are provided, as well as 246 stickers including: 96 pictures from the Talking Pictures Board (see entry), 50 frequently used words, 50 numerals and alphabet, and 50 blanks.

The Communiclock alone costs $214.95. The Communiclock with Jumbo Switch Plate (see entry) costs $259.95.



Product Name: Communilight 24

Vendor: Crestwood Company

Power Source: Battery included

Connector Type: 1/8" phone jack

Cost: $349.95 - $394.95

The Communilight 24 is a light scanning system that enables the user to express wants and needs quickly and easily. The red light travels across the top row horizontally until the user stops it with a switch (not included). When stopped, the red light blinks. The green light then travels down the left column until the user stops it and the green light blinks. The symbol at the intersection represents the user's choice. The light speed is adjustable.

Communilight 24 alone costs $349.95. Communilight 24 with a Jumbo Plate Switch (see entry) costs $394.95. Comes with four interchangeable overlays and 246 picture, word, letter, number, and blank stickers. Six additional overlays are available for $24.95.

No Photograph Available

Product Name: Compartmentalized Clock Communicator

Vendor: Toys for Special Children, Inc.

Cost: $75.00

The Compartmentalized Clock Communicator is a communication device with a rotary clock hand activated by a single switch and recessed compartments in which objects may be placed. The clock speed is adjustable.

Product Name: Compartmentalized Communicator

Vendor: Toys for Special Children, Inc.

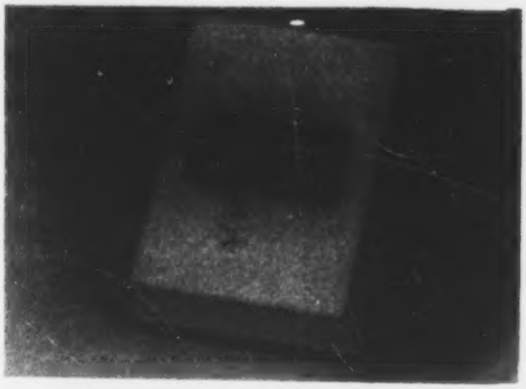
Power Source: 4 "C" batteries

Connector Type: See text

Cost: $71.00 - $131.00

Compartmentalized Communicator is a direct selection communication training aid that consists of a row of switches, each in its own compartment. Each switch produces a distinct sound when pressed.

Compartmentalized Communicator is available with three or five sections, and with sounds only or sounds and lights. Switches (extra) allow the clinician to turn off individual compartments if desired. Contact manufacturer for more information on switches and connector types.



Product Name: Counter Box

Vendor: Creative Switch Industries

Size: 4.25" x 3.25" x 2"

Weight: 6 oz.

Power Source: See text

Connector Type: 1/8" phone plug

Cost: $98.50

Counter Box is a device that counts the number of times a switch is activated. The switch is plugged into the Counter Box, and the number of activations is displayed on an LCD readout on the face of the device. A zero button allows the counter to be reset at any time. The Counter Box is powered by two "N" cells (provided) with a nominal battery life of 4 years.

Product Name: Counter Module

Vendor: Toys for Special Children, Inc.

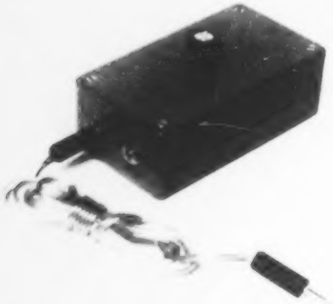
Power Source: 9V battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $53.00

Counter Module is a device that counts the number of times a switch has been activated. The module is connected between the switch and the device activated by the switch. An electronic digital counter displays the number of activations. The Counter Module uses large (1/4") phone connectors; a version with 1/8" connectors is available on request.

73



Product Name: Delay Timer Box

Vendor: Nassau Applied Technology Resource Center

Size: 2.4" x 4.4" x 1"

Power Source: 9V battery

Connector Type: Mini-phone plug

Cost: $115.00

The Delay Timer accepts input from any momentary switch and in turn provides variable timed output which keeps an appliance or toy on for a preset period of time after the switch is activated. The length of the activation time is adjustable from one to 60 seconds. Delay Timer may be used as a training aid for individuals using a switch for the first time.

Output may be made from Delay Timer to any unmodified toy when a battery interrupter cable is used, or to any toy or appliance modified to accept single switch input.

Product Name: Dial Scan

Vendor: Don Johnston Incorporated

Size: 12" x 12"

Weight: 2.2 lbs.

Power Source: 4 "C" batteries

Connector Type: 1/8" phone plug

Cost: $195.00

Dial Scan is a rotary scanning communication training device with a dial face. A single or dual switch is used to rotate a pointer on the dial, and the user releases the switch when the proper selection is reached. Five blank overlays are provided: photos, pictures, or symbols may be placed on them to suit the user's needs. Scanning speed is adjustable. The clear face allows for interactive communication.

The Dial Scan can be used with a Switch/Latch Timer (see entry) to modify switches to operate in either a Time or Latch mode. Additional overlays (2 clear, 3 paper) are available for $12.00. A wheelchair mount system for Dial Scan is available for $110.00.

No Photograph Available

Product Name: Dual Action Latch

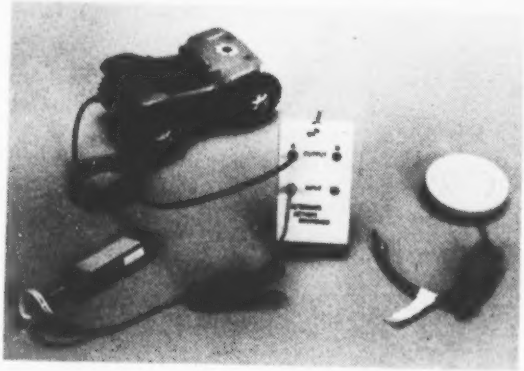
Vendor: Kapable Kids

Power Source: 9V battery

Connector Type: 1/8" jack and plug

Cost: $62.00

The Dual Action Latch allows battery operated toys to run for five to 50 seconds after a momentary switch is activated. The Dual Action Latch also allows a momentary switch to operate as a latching switch.



Product Name: Dual Channel Latching Switch Interface

Vendor: Hugh MacMillan Rehabilitation Centre

Size: 2.5" x 3.5" x 1.25"

Weight: 5.4 oz.

Power Source: 9V battery

Connector Type: 3.5 mm phone plug

Cost: $150.00 Canadian

The Dual Switch Latching Interface connects between single switches and a battery operated devices such as a toy, radio or tape recorder to change the operation of the switch. When connected, the Dual Switch latching interface causes the switch to operate in an on/off fashion. Two separate and independent devices may be contolled from two different switches. Each input requires a 3.5mm mini-phone plug connector. Each output requires a 3.5mm mini-phone plug connector which is then connected to the device to be controlled.

No Photograph Available

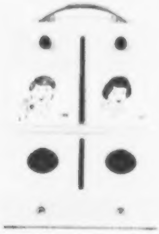
Product Name: Dual Clock Communicator

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone jack

Cost: $75.00

Dual Clock Communicator is a rotary scanning communication training aid that allows objects to be used as symbols. A switch is connected to the communicator and activation of the switch causes a clock hand pointer to move. The user selects a symbol or object by stopping the hand at the desired point. The dual Clock Communicator has seven niches in which objects can be placed to serve as communication symbols. The clock-hand pointer can be replaced with a disk with a single hole in it. When the disk rotates, the objects in the niches are revealed one at a time.



Product Name: Duo-Responder

Vendor: Crestwood Company

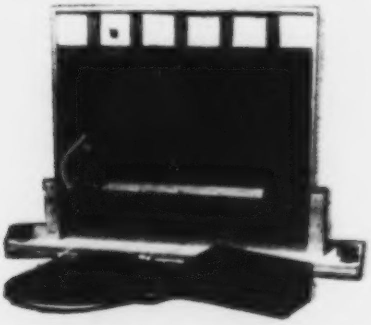
Size: 7.5" x 5.25" x 6.5"

Weight: 10 oz.

Power Source: Battery included

Cost: $104.95

The Duo-Responder is designed as a beginner's communication training aid. 20 blank cards and 20 picture cards are included. The picture cards include yes-no, eat-drink, like-don't like, hot-cold, open-close, want-don't want, etc. The left button activates chimes and a green light, the right button activates a buzzer and a red light. Any two switches can also be used (not included).



Product Name: E-Tran Scanner

Vendor: Nassau Applied Technology Resource Center

Size: 20" x 20" x 1.5"

Power Source: Rechargeable batteries

Connector Type: Mini-phone plug

Cost: $1,400.00

E-Tran Scanner is a communication training system designed for an individual just learning to use an electronic aid. Eighteen selection areas are assembled around a central area, allowing the user a clear viewing path. The user scans the selection areas with a single switch in either automatic or manual scanning modes; in automatic scanning, the scanning continues in sequence until the switch is closed, and in manual scanning, a different area lights every time the switch is operated. When the correct area is scanned, a lamp lights the entire selection area on both sides of the device. The message receiver can therefore sit on the opposite side of the E-Tran Scanner and maintain eye contact with the user. The buzzer provided with E-Tran Scanner may be used for audio feedback during selection, or as a call signal. The E-Tran Scanner has eighteen message areas, and the device may be configured to scan only six. Scanning rate is adjustable.

No Photograph Available

Product Name: Environmental Control for Kids

Vendor: Various (Generic Product)

Cost: Varies

Commercial toy markets are inventing and distributing new toys with specialty control systems as general play items. Many of these toys are particularly helpful for individuals with disabilities. These types of toys can be used with children as alternate access of as training devices for communication systems. For example, toys that are voice activated are now emerging on the market. Other useful toys are robotic like and controlled by a single switch or a simple joystick. Wireless remote control cars and trucks also fall into this category.

These alternate control toys are available from all large toys stores and many electronic product stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabiliation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

Product Name: Intention Module

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone jacks

Cost: $40.00

The Intention Module is designed for people with uncontrolled movements. When any switch is plugged into the module, sustained and purposeful pressure is required before a closure can occur. This device can be preset for a 1 to 12 second delay before activation.

Product Name: Invertor Module

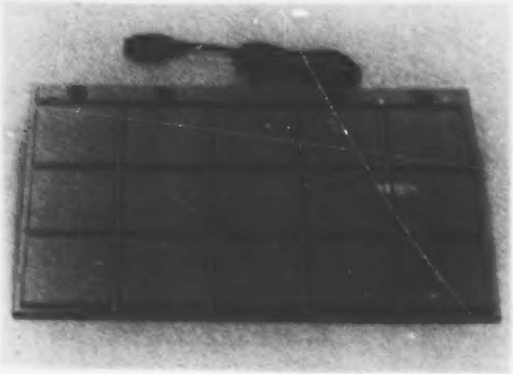
Vendor: Toys for Special Children, Inc.

Size: 5" x 3" x 2"

Connector Type: 1/4" or 1/8" phone plug

Cost: $23.00

Invertor Module is a device that reverses switch operation. The Invertor Module connects between a single switch and a switch-operated device (such as a toy). When the switch is not being activated, the toy stays on. When the switch is activated, the toy turns off.



Product Name: Keypad (2425)

Vendor: TASH, Inc.

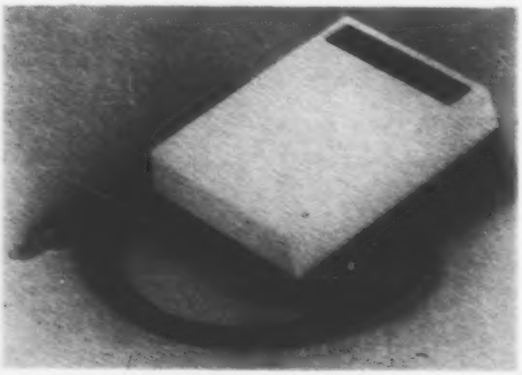
Size: 15" x 10"

Weight: 1.5 lbs.

Connector Type: 9-pin D

Cost: $200.00

Keypad is a 3 x 5 array of switches, each activated by pressing on a square plate. The Keypad is low-profile, and each switch is 2.75" square. The switches are covered by a transparent, seamless, flexible plastic cover. Picture or word overlays for each key can be placed underneath the cover. Switches produce an audible click when pressed, and require 100 grams of pressure to activate.



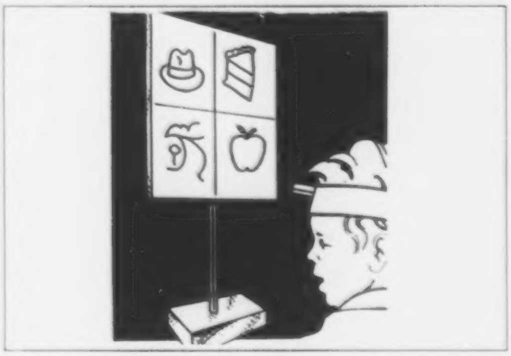
Product Name: Latch Box

Vendor: Creative Switch Industries

Cost: $70.50

The Latch Box is an electrical relay that converts a switch from a momentary status switch to an on/off switch. A switch and appliance or reinforcing device (such as a toy) are connected to the Latch Box; activating the switch turns the appliance or device on until the switch is activated a second time.

The Latch Box has a 3.5 mm input jack and a 3' output cord with a 3.5 mm plug. The box may be interface with any ability switch and electrical control unit or battery device adaptor.



Product Name: Light Activated Switch Panel

Vendor: Creative Communicating

Size: 6.5" x 9"

Cost: $250.00 - $450.00

The Light Activated Switch Panel is a communication training aid for the cognitively young child and beginning communicator without the use of hands. Free standing panels with four locations offer switch output to multiple group selection, activated by headlamp (included). The panels can be moved or rotated for customization and come with a stand for normal table use.

The panels work with the PowerPad, AIPS Wolf, Switch Introtalker, the Parrot by Zygo, SpeakEasy by AbleNet, Switch Module by Toys for Special Children, and many other devices.

Product Name: Lighted Vibrating Signalling Buzzer

Vendor: Toys for Special Children, Inc.

Power Source: Battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $40.00

Lighted Vibrating Signalling Buzzer is a buzzer unit activated by a single switch. When a switch connected to the unit is activated, a buzzer sounds, a light on top of the unit is lit, and the unit vibrates. This tactile feedback can be useful in the training of children with sensory impairments.

Product Name: LinkSwitch

Vendor: Adaptivation, Inc.

Size: 3" x 4.5" x 2.5"

Weight: 0.5 lb.

Power Source: 9V battery

Cost: $59.00 - $99.00

The LinkSwitch is an interface switch that enables the user to activate adapted devices using any ability switch or Adaptivation's Taction Pads (see entry). The device comes with one Taction switch. The LinkSwitch can be mounted with straps, Velcro, or Dual Lock.

There are two versions of the LinkSwitch. The single-channel unit has timing, momentary, and latching capabilities and sells for $59.00. The dual-channel unit includes momentary and latching capabilities plus a timer and sells for $99.00.

Product Name: Multi-Switch Module

Vendor: Toys for Special Children, Inc.

Size: 5" x 3" x 2"

Connector Type: 1/4" or 1/8" phone plug

Cost: $36.00

Multi-Switch Module is an adaptor which allows several switches to be connected to the same switch-operated device (such as a toy). Which of the switches controls the toy is determined by the setting of toggle switches on top of the module. The module has four jacks for plugging in switches and one output plug for connecting to the toy. The plug can also be connected to a computer for running software equipped for switch input.

No Photograph Available

Product Name: Music Button

Vendor: Toys for Special Children, Inc.

Cost: $17.00

Music Button is a training device for developing fine motor coordination. When the button is pressed, 30 seconds of music is played.

No Photograph Available

Product Name: Nine Compartment Row/Column Scanner

Vendor: Toys for Special Children, Inc.

Cost: $98.00

The Nine Compartment Row/Column Scanner is a communication training device designed to introduce the user to the concept of row/column scanning. This device is meant to be an intermediate step between four-position sequential scanners and the more complex scanners with a greater number of units. The compartments hold small objects and feature for single switch scanning.

No Photograph Available

Product Name: Nine Volt Battery Adapter Module

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone plug

Cost: $15.00

The Nine Volt Battery Adapter Module allows toys or devices which operate on a 9V battery but are not adapted for switch use to be used with a single switch.

No Photograph Available

Product Name: On/Off Module

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" jack and plugs

Cost: $30.00

The On/Off Module allows a device with only one input jack to be operated by two switches. One switch turns the device on and the second turns it off.

No Photograph Available

Product Name: Peg Switch

Vendor: Kapable Kids

Size: 5/8" diam.

Connector Type: 1/8" plug

Cost: $29.00

The Peg Switch is activated when the peg is placed in the non-skid wood base. The device will remain on for as long as the peg is in place. The Peg Switch is designed to encourage visual attention while developing eye-hand coordination.

Product Name: PigTail Adapters

Vendor: AbleNet, Inc.

Cost: $5.00 each

PigTail Adapters are adapters for 1/4", 1/8", and 3/32" plugs. The adapters help link equipment together which does not have corresponding plug end sizes. There are six conversions available: 1/8" to 1/4", 1/8 to 3/32", 1/4" to 1/8", 1/4" to 3/32", 3/32" to 1/8", and 3/32" to 1/4".

The adapters are all sold separately; each adapter is $5.00. Specify plug conversion sizes when ordering.

No Photograph Available

Product Name: Portable Sound Source II

Vendor: American Printing House for the Blind (APH)

Size: 8" x 9" x 3.5"

Weight: 6 lbs.

Power Source: 12V battery (included)

Cost: $148.65

Portable Sound Source II produces a pulsing tone that provides a source of auditory directional cues for training and daily living situations. Rate of the tone is continuously variable from 36 to 360 pulses per minute. Pitch is continuously variable from 600 hertz to 1200 hertz. On/off switch and rate, volume, and tone knobs are mounted on the front face. Speaker measures 3.5".

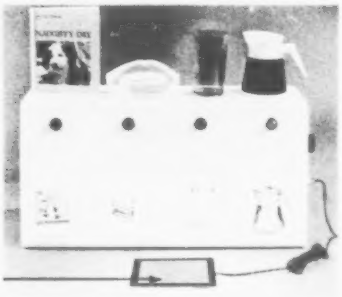
No Photograph Available

Product Name: Puzzle Switches

Vendor: Toys for Special Children, Inc.

Cost: $20.00 - $45.00

Puzzle Switches require the user to perform a visual-motor task to activate the device attached to the switch. Shape Switches require correct placement of one, two, or three pegs. Shape Switch Music Box is similar, but will play a tune if no device is attached when the pegs are placed correctly. The Shapeboard requires all five shapes to be placed correctly, the Round Peg Board features six wooden pegs and a base, the Up/Down Switch features pegs of different lengths that must be placed to form an even row, and the Jumbo Shape Fit Switch features four large wooden pieces.



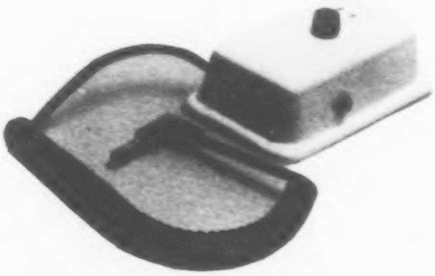
Product Name: Quad Talk

Vendor: Crestwood Company

Cost: $209.95 - $254.95

Quad Talk is a patented training device designed to aid students in responding to object and picture stimuli. Four stimulus picture cards, with a light above each one, and four corresponding objects may be placed on the Quad Talk. Each light is activated in turn; the student presses a switch (extra) when the light is over the picture corresponding to an answer or need. The scanning light speed is adjustable. Objects and pictures are not included.

Quad Talk alone costs $209.95. The Quad Talk with a Jumbo Plate Switch (see entry) costs $254.95.



Product Name: Rhythm Generator

Vendor: Toys for Special Children, Inc.

Size: 5" x 3" x 2"

Power Source: 9V battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $46.00

Rhythm Generator is a device that rhythmically activates a switch-operated device, such as a toy. The Rhythm Generator is connected between the switch and the toy. While the switch is activated, the toy turns on and off in a regular rhythm. While the switch is released the toy stays off. The speed of the rhythm is adjustable.

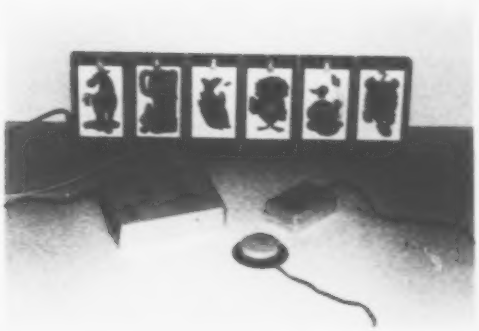
No Photograph Available

Product Name: Round Clock Communicator

Vendor: Toys for Special Children, Inc.

Cost: $70.00

Round Clock Communicator is a rotary scanning communication device. A switch is connected to the device, and activating the switch causes a clock-hand pointer to move around the face of the Communicator. The user selects symbols or objects by stopping the pointer at the desired place. Round Clock Communicator is equipped with a universal clamp on a rigid gooseneck for attachment to a wheelchair, bedframe or table. The clock face is available in clear or white.



Product Name: ScanLite

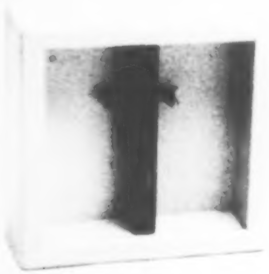
Vendor: ORCCA Technology, Inc.

Power Source: Rechargeable batteries

Cost: $250.00

ScanLite is an adaptable, switch-operated scanning selection aid that can be used for assessment and training in scanning. The device consists of a receiver and control unit, a transmitter unit, and an array of lighted indicators that are scanned sequentially. ScanLite can be controlled by radio remote or direct single switch. Scan rate, number of indicators to be scanned, and scan mode (automatic or step) are controllable.

The receiver/control unit and application accessories are sold separately. The receiver/control unit is $250.00. A variety of accessories are available and each can be connected to the same receiver/control unit. Available accessories include: three-item object board ($80.00), three-item toy selection and activation board ($165.00), four-item flexible array ($75.00), four-item linear picture board ($75.00), six-item linear picture board ($80.00), PPVT assessment easel ($125.00), six-item two-row picture board ($95.00), four-item sound and picture board with feedback ($250.00). An auditory prompt module connects to the ScanLite and provides auditory digital scanning along with visual scanning ($130.00).



Product Name: Sequential Scanner

Vendor: Toys for Special Children, Inc.

Size: 6" x 10"

Power Source: 1 "D" battery

Connector Type: 1/4" or 1/8" phone plug

Cost: $71.00 - $98.00

Sequential Scanner is a communication training aid with compartments. An external switch (extra) is attached to the device. Every time the switch is activated, a light moves from one compartment to the next. Objects may be placed in each compartment.

Sequential Scanner is available with two, four, or nine compartments.

Product Name: Series Adapter

Vendor: AbleNet, Inc.

Size: 8" long

Weight: 1 oz.

Connector Type: 1/8" phone plug

Cost: $12.00

Series Adapter is a device that allows two switches to be connected in series. The user plugs two switches into the Series Adapter, along with some device to be controlled (such as a modified battery-operated toy). When they are connected in series, both switches must be activated before the toy will turn on.

Product Name: Six Position Activity Box

Vendor: Therapeutic Toys, Inc.

Cost: $169.95

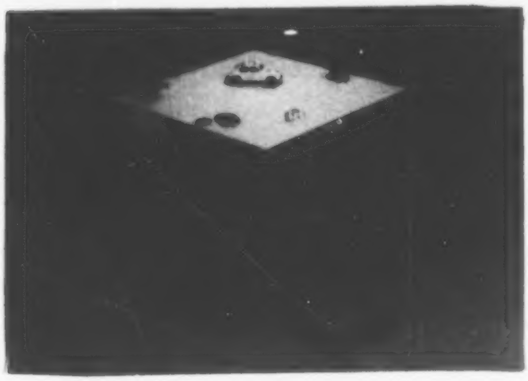
The Six Position Activity Box features a round touch switch, a rectangular touch switch, a pull switch, a leaf switch, and a wooden roller that activate a small fan.

Product Name: Slide Projector Control

Vendor: AbleNet, Inc.

Cost: $52.00

The Slide Projector Control links a single switch to most models of Kodak Carousel slide projectors. The device's five-prong plug connects to the remote control input port on the slide projector. The switch must be activated, released and reactivated to advance a single slide.



Product Name: Steeper Communication/Teaching Aid

Vendor: Zygo Industries, Inc.

Size: 14.5" x 11.25"

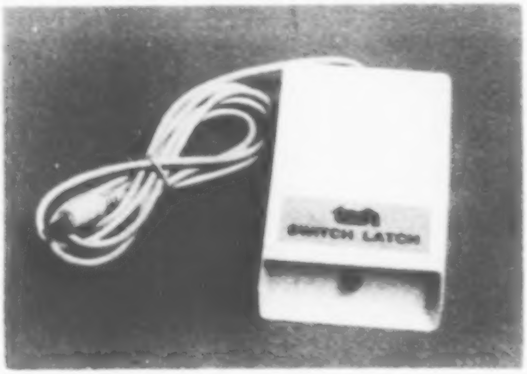
Weight: 5.5 lbs.

Power Source: 120V AC

Cost: $1,695.00

Steeper Communication/Teaching Aid is a programmable 16-position scanning communication aid. The aid consists of a translucent panel mounted on a base. The panel can be horizontal, tilted 30 degrees, or tilted 60 degrees. The panel is divided into 16 squares, each with a light behind the panel. Communication symbols or objects can be placed on these squares, and the user indicates a choice by scanning with a single switch. In manual scanning mode the user activates the switch, causing the squares to light up sequentially. The user releases the switch when the desired choice is reached. In automatic scanning mode the squares illuminate sequentially, and the user activates the switch to stop the scanning when the desired choice is reached. A control keyboard in the rear of the unit allows the sequence of lights to be progammed, as well as the speed of automatic scanning. A remote control switch allows the direction of scanning and the starting and stopping of automatic scanning to be controlled with an external switch.

A modification is available to permit selections on the Steeper Communication/Teaching Aid to access the voice output of the Zygo Parrot-JK.



Product Name: Switch Latch (4388)

Vendor: TASH, Inc.

Size: 4" x 2" x 1"

Weight: 4 oz.

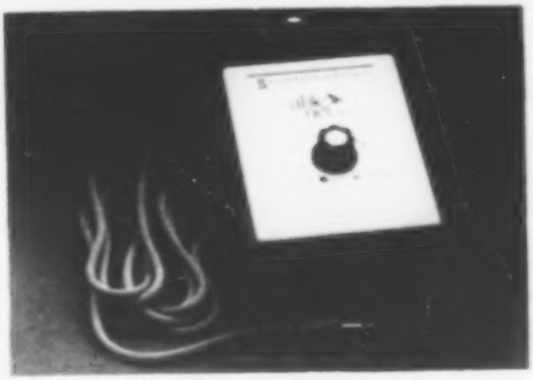
Power Source: 9V battery

Connector Type: 1/8" phone plug

Cost: $150.00

Switch Latch is a device that takes momentary input from a single switch and converts it to latched on/off output. Activating the switch once will turn the toy or device on. The toy remains on until the switch is activated again. Switch Latch is designed to be used with battery operated devices such as toys. The Switch Latch will work with any switch having a 1/8" phone jack.

95



Product Name: Switch Latch and Timer

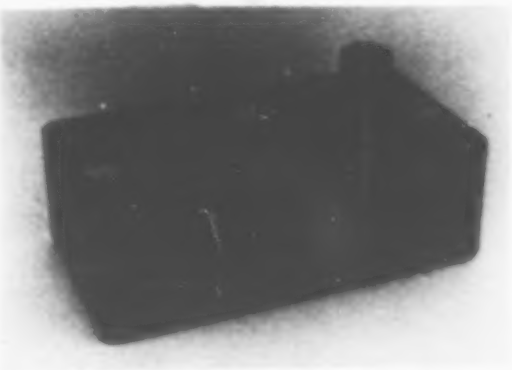
Vendor: AbleNet, Inc.

Size: 3.25" x 4.5"

Power Source: 9V battery

Cost: $54.00

The Switch Latch and Timer allows timer and latch control between a switch and the device it is activating. The device had a timed mode which allows a device to run for one to sixty seconds after the switch is activated. The one-shot timer stops at the end of the preset timing interval even if the switch is held down. In the latch mode, one touch of the switch turns the device on. The device stays on until the switch is activated again.



Product Name: Switch Latch/Timer

Vendor: Don Johnston Incorporated

Size: 4.75" x 2.5" x 1.5"

Power Source: Rechargeable batteries

Connector Type: 1/8" phone plug

Cost: $145.00

Switch Latch/Timer is a device that connects between a switch and a battery powered switch operated device (such as a modified toy) and adjusts how the switch functions. In latch mode, activating the switch causes the toy to turn on and stay on until the switch is activated again. In timer mode, activating the switch causes the toy to turn on and stay on for a specific period of time. The Switch Latch/Timer can connect to one or two switches and one or two toys. The Switch Latch/Timer itself has an on/off switch so battery power is conserved when the unit is not in use. Each channel can be controlled separately, and unique auditory feedback is supplied for each channel.

The Switch Latch/Timer accepts switches with 1/8" mini-phone plugs.

Product Name: TDD Trainer System

Vendor: Deafworks

Size: 3.5" x 3.5" x 8"

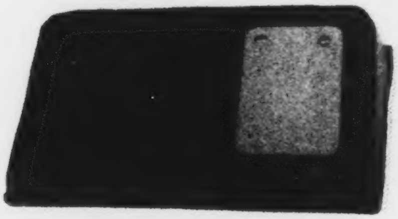
Weight: 3 lbs.

Power Source: 120V AC

Cost: $129.00

The TDD Trainer System is designed to train persons to use telecommunication devices for the deaf. The system is a "two-way" trainer which allows the users to practice receiving and sending TDD messages. The training device plugs into a wall outlet and its telephone handsets connect the TDDs to the unit.

The training system does not include TDDs.



Product Name: Three Position Activity Box

Vendor: Therapeutic Toys, Inc.

Cost: $105.00

The Three Position Activity Box features a round touch switch, a rectangular touch switch, and a pull switch mounted in a plastic case.

Product Name: Timer Module

Vendor: Toys for Special Children, Inc.

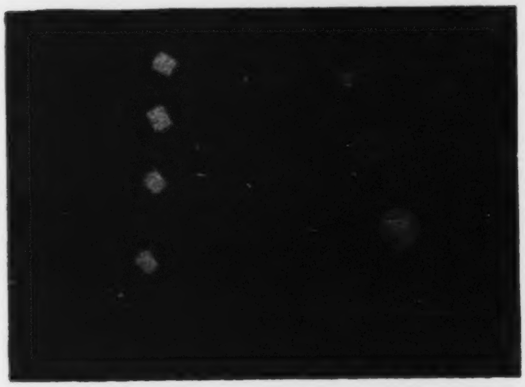
Size: 2" x 3" x 1"

Power Source: 9V battery

Cost: $43.00

Timer Module is a device that sets the amount of time that a switch-operated device will remain on after the switch is activated. The amount of time that the Module activates the device is adjustable from 0 to 30 seconds.

Operation of the Timer Module requires a 9 volt battery. Contact manufacturer for information on types of switches and connectors applicable for the Timer Module.



Product Name: Toy Adapter

Vendor: Burkhart, Linda J.

Connector Type: Mini-phone plug

Cost: $7.95

Toy Adapter is a device that allows a single switch to control the operation of a battery-powered device such as a toy. A switch is plugged into one end of the adapter, and a small plate at the other end is inserted between the battery and the battery contacts in the toy. The switch will then turn the toy on and off.

Toy Adapters come in three sizes, depending on the size of battery in the toy: "D," "C," or "AA." The adapters may be ordered with submini or mini jacks.

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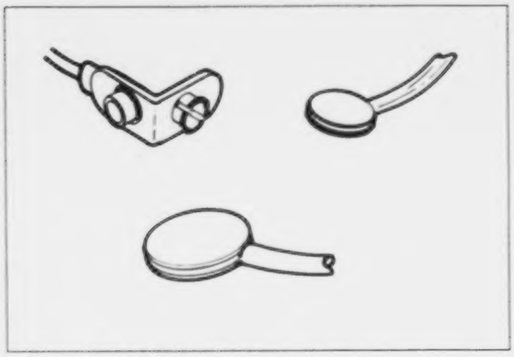


Product Name: Toy Adapter Cables: CA-9/CA-12/CA-16

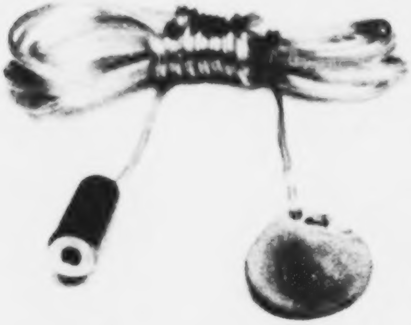
Vendor: Zygo Industries, Inc.

Connector Type: 1/8" mini-phone plug

Cost: $25.00

Toy Adapter Cables allow battery operated toys or devices to be turned on using most single switches (switches not included). The device consists of a cable with a jack for a single switch at one end, and a small metal plate at the other. The plate is inserted between two batteries in a battery-operated device, such as a toy, or between a battery and a battery contact. When a switch is plugged into the jack, the switch will turn the toy on and off.

Toy Adapter Cables are available for "C," "AA," and 9V transistor batteries.



Product Name: Toy Cables (4378, 4379)

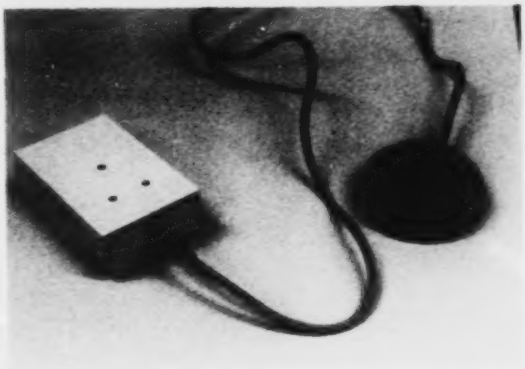
Vendor: TASH, Inc.

Size: 6' long

Connector Type: 1/8" mini-phone plug

Cost: $7.00

Toy Cables allow battery operated devices, such as a toy, to be turned on using most single switches (switches not included). It is a cable with a small metal plate at one end and a jack for a single switch at the other. The plate is inserted between two batteries in a battery-operated device or toy, or between a battery and a battery contact. When a switch is plugged into the jack, the switch will turn the toy on and off.



Product Name: Trace Beeper Box

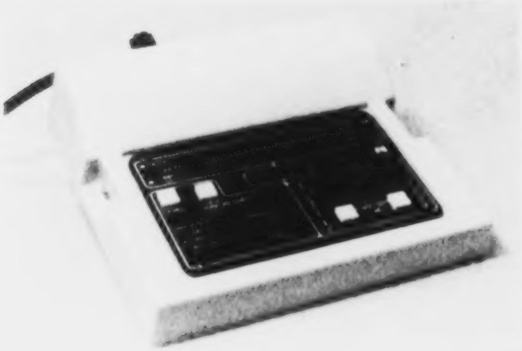
Vendor: Trace Center

Power Source: 9V battery

Cost: $83.00

Trace Beeper Box is a portable switch-activated box with adjustable sound used to provide simple auditory feedback for switch use training, for switch use evaluation, or for simple communication response. A switch is plugged into the standard switch jack on the box. When the switch is activated, a tone is emitted. The tone may be adjusted by the user to permit discrimination between boxes when more than one box is used. Pitch settings range from 400 to 3,000 Hz, and the pulse rate may be adjusted from 0 Hz (steady sound) to 12 Hz (fast pulse). The box runs on a 9-volt battery.

Battery and switch are not included.



Product Name: Training Aid 2

Vendor: Prentke Romich Company

Size: 8" x 9" x 2"

Weight: 2.75 lbs.

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $655.00

Training Aid 2 is a device that allows two switches to be used to control two household current- or battery-operated devices. The Training Aid 2 has an internal clock which allows training sessions to be a set length, up to 20 minutes. During each training session, internal counters record the activations of each switch and the number of times each reinforcement was turned on. The activation of the reinforcement by the switch can be set to be momentary, latching, or timed. Only one switch and one reinforcement can be used if desired.

Product Name: Tri-Responder

Vendor: Crestwood Company

Size: 10.5" x 16" x 11"

Power Source: Battery

Cost: $159.95

Tri-Responder is a training device designed to aid students in responding to object and picture stimuli. Three stimulus picture cards and three corresponding objects may be placed on the Tri-Responder. The student responds to directions by pressing one of three large buttons which produce a buzzing sound, colored light, or both. No distinction is made between correct and incorrect responses.

No Photograph Available

Product Name: Tubular Vibrator

Vendor: Toys for Special Children, Inc.

Size: 46" long x 1.5" diameter

Cost: $25.00

Tubular Vibrator is a switch activated two-speed vibrator that can be wrapped around almost any part of the body providing the individual with vibro-tactile feedback.

No Photograph Available

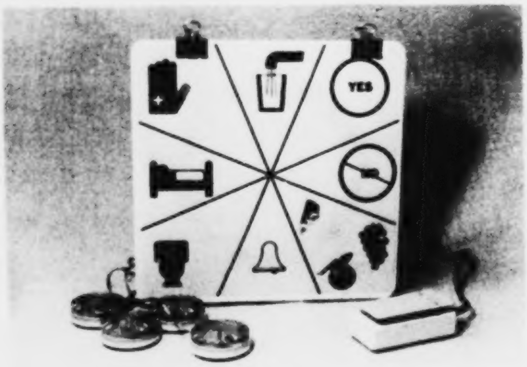
Product Name: Universal Module

Vendor: Toys for Special Children, Inc.

Cost: $100.00 - $125.00

The Universal Module increases the flexibility of switch closures by providing alternate actions (on/off), intention delays, and timed outputs. The device can be used with one or two switches.

The Universal Module without a counter is $100.00, and with a counter is $125.00. The digital counter registers the timer mode and any switch closure connected to the module.



Product Name: Versascan

Vendor: Prentke Romich Company

Size: 12.5" x 11" x 3"

Weight: 4.75 lbs.

Power Source: Rechargeable batteries

Cost: $925.00

Versascan is a scanning communication training aid having on its face 16 lamps arranged in a circle. When the user activates a switch, the lamps light in sequence. When the desired position is reached the user releases the switch, stopping the movement of the light. Symbols or words may be placed next to the lamps, or translucent overlays may be used, allowing the lamps to shine through. Removeable colored lamp covers are provided that allow positions to be color coded. The lamps are removeable as well, so 2-16 position scanning is possible.

Optional remote lamps are available which plug into the sockets that the standard Versascan lamps plug into. These may be used to create a larger display area for scanning, such as a wall.

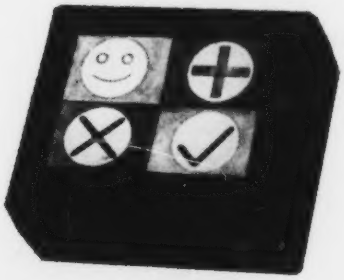
Product Name: Vibrating Sack

Vendor: Toys for Special Children, Inc.

Power Source: 1 "C" battery

Cost: $36.00

Vibrating Sack is a soft cloth bag with a vibrating unit inside. When a single switch connected to the sack is activated, the sack vibrates gently. The tactile feedback provided by the vibrating of the device can be a useful reinforcement for training young children with sensory impairments, to associate the cause and effect of their actions.



Product Name: VoiceMate, SwitchMate, ScanMate (2701-2708)

Vendor: TASH, Inc.

Size: 3" x 2.5" x 1.25"

Weight: 8 oz.

Power Source: 4 "AAA" batteries

Cost: $325.00 - $385.00

VoiceMate is a device which allows the user to record four phrases of four seconds each for digitized playback. Phrases are recorded and recalled by using a keypad on the top of the device. SwitchMate allows the connection of four other switches to the VoiceMate for recall of messages. ScanMate provides further connection for single or dual switches for automatic or step scanning. ScanMate 8 allows the user to record eight phrases of four seconds each.

Product Name: WPS Loquitur 115 and 250

Vendor: Western Psychological Services

Size: 9.5" x 6.5" x 2"

Weight: 2.5 lbs.

Cost: $495.00

Loquitur 115 and 250 are voice recorders designed to provide immediate and continuous feedback of digitized human speech. The recorders have built-in microphones which allow for recording of an individual client or a small group. Model 115 can operate with a tape player; Model 250 can act as a stand-alone communication aid. On Model 250, between one and four messages can be recorded and played back using either the switches built into the device or external switches connected to any of its four jacks.

Options for both model include a rechargeable battery pack and charger ($160.00), a tape player ($55.00), and a carrying case ($75.00).

Chapter 4

Non-Electronic Communication Aids

This chapter includes communication aids which do not use electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, software for creating boards, etc. Headsticks and other non-electronic pointing devices are not included, since they appear in Chapter 2.

Many products in this chapter are also cross-listed by function in Index 1. Related functions include Conversation/Interaction (CI) and Assessment (AS). Many are also cross-listed by "Symbol System" in Index 2, under such categories as Pictures, Blissymbols, and User Selectable symbols.

The following product entries appear in this chapter:

AccessBliss 2.2, *69*
Alphabet Board Kit, *69*
AlphaPad, *70*
Appointment Book, *70*
Attainment Communication Collection, *71*
Blissymbol Templates, *71*
Blissymbol Vocabulary Stamps, *72*
Blissymbols Gallery, *72*
Boardmaker 3.0, *73*
Boardmaker for Windows, *73*
Bradley Board Communication Aid, *74*
Calendars, *74*
Chain Talk, *75*
Cleo Communication Board, *75*
Communication Binder, *76*
Communication Board, *76*
Communication Board Builder, *77*
Communication Displays for Engineered
 Preschool Env., *77*
Communication Folder and Tri-Folder, *78*
Communication Icon Galleries CD-ROM, *78*
Communication Sheets, *79*
Communication Symbol Holders, *79*
Core Picture Vocabulary, *80*
Core Vocabulary, *80*
Deluxe Communication Board Kit, *81*
Deluxe Talk Board, *81*
DynaSyms, *82*
Emotional Moods & Needs-G 3&4, *82*
Eye Transfer Communication System, *83*
Eye-Com, *83*
Eye-Com Board, *84*
Fold It System, *84*
Foods I Like Menu Book, *85*
Help Me at Home & School-G 5&6, *85*
Help Me to Help Myself Handbook, *86*
Holiday Kit, *86*
ICU-G 1&2, *87*
Illustrated Menu, *87*
Imaginart Gallery, *88*
Individualized Communication Systems, *88*
Life Experiences Communication Kit, *89*
Long Wallet, *89*
Mealtime Stickers, *90*
Mega-Book, *90*
Mid-Sized Communication Book, *91*
Mini Picture Set, *91*
Nu-Vue-Cue, *92*
Oakland Schools Picture Dictionary, *92*
Object Communicator, *93*
Object Display, *93*
Object Stand or Calendar Box (3 or 5), *94*
Object-Picture Talk Board, *94*
Opticommunicator, *95*
Passport Kits, *95*
PCS Color Stickers, *96*
PCS Stamps, *96*
PCS Wordless Edition, *97*
PEACEbook, *97*
Pick 'n Stick Color Micros, *98*
Pick 'N Stick Color Packs, *98*
Pick 'N Stick Fast Food, *99*
Pick 'n Stick on Disk, *99*
Pick 'n Stick Primary Pack, *100*
PICSYMS Categorical Dictionary, *100*
Picture Communication Symbols -
 Combination Book, *101*
Picture Communication Symbols, Books I, II
 & III, *101*
Picture Prompt Cards, *102*
Picture Prompt Stickers, *102*
Picture Prompt System, *103*
Picture Your Blissymbols, *103*
Pictures, Please!, *104*
Pocket Book, *104*
Pocket Picture Holder, *105*
Pocket-Sized and Double Pocket-Sized
 Communication Book, *105*
Porta Boards, *106*
Porta Book, *106*
Select-A-Meal and Shopping Smart, *107*
Self-Talk Stickers, *107*
Silent Speaker, *108*
Stickers for Talk Boards, *108*
Talking Pictures Communication Board, *109*
Talking Pictures, Kits I - VII, *109*
Touch 'N Talk Communication Board, *110*
Touch 'N Talk Communication
 Notebook, *110*
Touch 'N Talk Communication Stickers, *111*
Touch 'N Talk Micros, *111*
WordWise Language & Master Cards, *112*
WordWise Sticker Set, *112*
Writing Utensil Grips, *113*
Zoo Kit, *113*

The following products from other chapters can also be used as Non-Electronic Communication Aids:

High Tech/Low Cost, *223*
Picture Cue Dictionary, *654*
Specialist, *153*

Product Name: AccessBliss 2.2

Vendor: Blissymbolics Communication International

Computer: Apple Macintosh Family

Cost: $100.00

AccessBliss 2.0 is a software program that enables the user to find and retrieve any currently approved Blissymbol (approximately 2400). The Blissymbols are copied to the clipboard for subsequent use in virtually any Macintosh application. AccessBliss allows the user to find any Blissymbol in less than five seconds, use a choice of four different search methods, add indicator to a symbol with mouse click, save standard reference grid along with the symbol, save the word along with the symbol, format the clipboard in rows or columns, access any symbol synonym directly, and save the Blissymbol in text or picture form.

Package includes AccessBliss program, user's guide, BlissTemplate Font and manual, and a manual for creating Blissymbol grid displays.

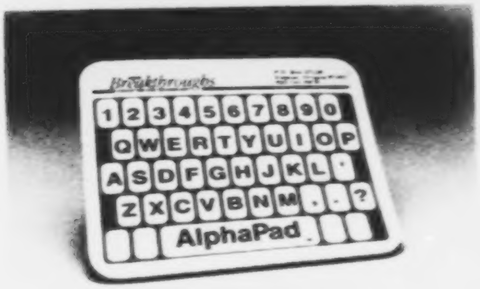
Product Name: Alphabet Board Kit

Vendor: Crestwood Company

Size: 8.5" x 11"

Cost: $12.95

The Alphabet Board Kit includes two boards, two sheet protectors, and 150 pressure sensitive letter, number, word, and blank stickers. An easel is not included but is available from the manufacturer for $15.50.


Breakthroughs
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M . ?
AlphaPad

Product Name: AlphaPad

Vendor: New Breakthroughs

Size: 8" x 12"

Cost: $9.95

AlphaPad is a non-electronic communication board. The board is a large QWERTY keyboard printed on strong, washable neoprene. The non-skid mouse pad style and oversize type is designed to aid students with vision and/or motor problems.

Product Name: Appointment Book

Vendor: Attainment Company

Cost: $14.00

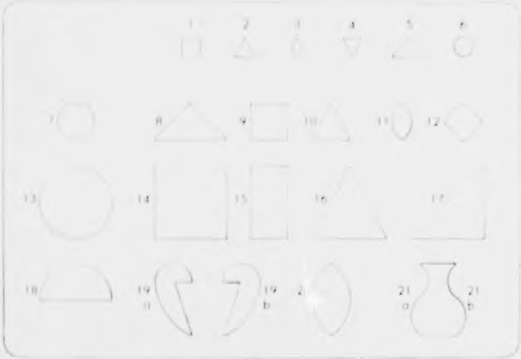
The Appointment Book is a folder designed to hold Picture Prompt Cards (see entry).

Product Name: Attainment Communication Collection

Vendor: Attainment Company

Cost: $189.00

Attainment Communication Collection contains the cards and stickers from the WordWise Language and Picture Prompt programs (see entries). Over 1,000 laminated, color illustrated cards and 1,752 stickers are included.



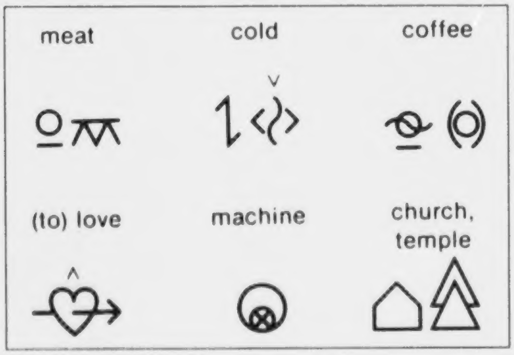
Product Name: Blissymbol Templates

Vendor: Blissymbolics Communication International

Size: 1", 11 mm, 21 mm

Cost: $12.00 - $17.00

Blissymbol Templates are patterns of Blissymbol elements. The templates are designed as an aid to drawing Blissymbols more accurately. The Large Metric Template has a large square 21 mm in size and costs $17.00. The Small Metric Template has a large square 11 mm in size and costs $17.00. The Imperial Template has a 1" large square and costs $12.00.



Product Name: Blissymbol Vocabulary Stamps

Vendor: Blissymbolics Communication International

Size: 8.5" x 11"

Cost: $35.00

Blissymbol Vocabulary Stamps are sheets of Bliss symbols printed on square, peel-back, self-adhesive labels. Each stamp is 7/8" square, and the sheets contain 108 stamps apiece. The word corresponding to the symbol also appears on each stamp. The package contains 1400 stamps and 145 of the newest symbols. Color coded and black-and-white are available.

Product Name: Blissymbols Gallery

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $199.00

Blissymbols Gallery is a software series of approximately 2,500 icons color-coded by time, people, noun, action, and other categories. Designed for use with Ke:nx to build personalized communication displays with the Blissymbolics language system.

Product Name: Boardmaker 3.0

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Family

Cost: $399.00

Boardmaker is a software program that allows access to over 3,000 symbols from the Picture Communication Symbols (PCS) Books I, II, and III (see entry). The symbols have been translated into ten languages: English, Spanish, French (Canadian), Portuguese, Danish, Swedish, German, Dutch, Norwegian, and Italian. The symbols may be reduced or enlarged to any size. The program includes a built-in drawing program for creating custom communication boards or overlays for virtually any size grid or matrix. Boardmaker may also be used with a desk top publishing program to make educational materials using the symbols. Hard copy may be printed and the display saved on disk.

System requirements include a Macintosh computer, 4 MB RAM, and a hard disk.

Product Name: Boardmaker for Windows

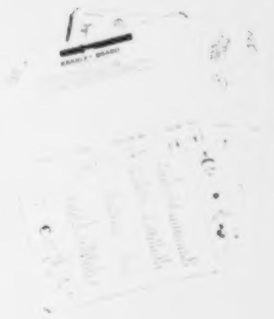
Vendor: Mayer-Johnson Company

Computer: IBM PC Family

Cost: $399.00

Boardmaker for Windows is a combined graphics database and drawing program with over 3,000 Picture Communication Symbols (see entry) in bitmapped clip art form. The program allows the user to find symbols and paste them into the display with a mouse click, make the pictures any size, print and save copy, and more. The symbols can be found and printed in any of the following languages: English, Spanish, French (Canadian), German, Swedish, Italian, Portuguese, Dutch, Danish, and Norwegian. Symbols can be copied with no text, one language, or any two languages.

System requirements include: 4 MB of RAM, Microsoft Windows, and a hard disk with 6 to 14 MB available.



Product Name: Bradley Board Communication Aid

Vendor: Bradley Enterprises

Size: 10.75" x 13.75"

Weight: 5 oz.

Cost: $12.00

The Bradley Board Communication Aid is a laminated, two-sided board designed to aid nonvocal individuals. The board has 56 items pictured and a word list which the user may point to or mark to create sentences. The aid also has an area for writing with an attached felt tip pen. The entire board can be cleaned and markings erased using a damp cloth. A pen is included with the board.

No Photograph Available

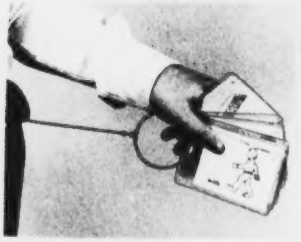
Product Name: Calendars

Vendor: Various (Generic Product)

Cost: Varies

Calendars often create an alternative augmentative communication medium by organizing topics and pointing targets in spatial arrangments and also in time. Formats that are helpful vary on individual needs. Types of formats include full page, purse size, pocket, and electronic calendars.

Calendars are available in book stores, department stores, variety stores, and others. Specific sources can be found in local yellow pages and often in gift specialty catalogs that carry personal convenience types of devices.



Product Name: Chain Talk

Vendor: Crestwood Company

Size: 2.5" x 3.25"

Cost: $19.50

Chain Talk is a communication device that holds up to 20 symbols. A retractable chain clips to the belt or waistband of pants. At the end of the chain is a ring and 10 heavy duty vinyl envelopes that hold the symbols (not included).

Product Name: Cleo Communication Board

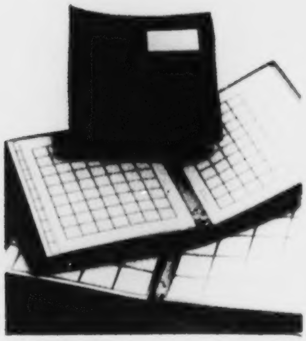
Vendor: Cleo of New York

Size: 17" x 22"

Weight: 1 lb.

Cost: $18.00

Cleo Communication Board is a laminated board containing drawings suggesting various needs. The user indicates selections by pointing, or by writing with a water-soluble marker (extra). Pictures include dressing, grooming, eating and medical requests. The reverse side contains diagrams of the body for indicating areas of pain or discomfort.



Product Name: Communication Binder

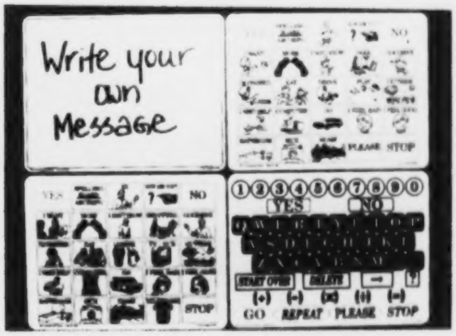
Vendor: Mayer-Johnson Company

Size: 8.88" x 11.38"

Cost: $11.00

Communication Binder is a three-ring binder containing sheets to which communication symbols can be attached. The pages are printed with blank grids of one- or two-inch squares, and have non-glare vinyl sleeves. The vinyl on the sheet protectors and pockets resists the transfer of toner copying ink from photocopied symbols. The front cover of the binder has a pocket for an identification card.

Each binder comes with five vinyl sheet protectors with two grids each, and one extra grid sheet. Additional grids and protectors are available.



Product Name: Communication Board

Vendor: Graley Marketing

Size: 8.5" x 11"

Cost: $21.95

The Communication Board is a two-sided non-electric communication device suitable for children and adults who can spell and point. One side features 25 squares with child or adult appropriate pictures and words including yes, no, hi, sick, bathroom, play, home, computer, eat, I want, and others. The other side has a typewriter style layout including numerals, some punctuation, and mathematical symbols. Also on the spelling side are the words yes, no, start over, delete, go, repeat, please, and stop. An additional model offers typewriter style layout on one side and a blank dry erase side on the opposite side.

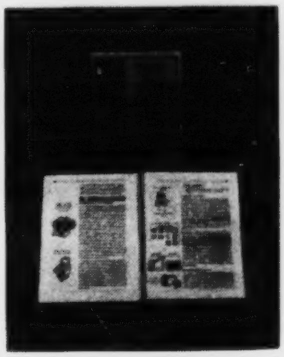
Product Name: Communication Board Builder

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Plus,
Apple Macintosh SE/II

Cost: $169.00

Communication Board-Builder is a HyperCard stack that enables the user to create customized communication boards. The program includes over 3,000 symbols from the Picture Communication Symbols (PCS) Books I, II, and III (see entry). Symbols are printed in 1.25" size. The page size is 6.25" x 3.75" and contains up to 15 symbols. Hard copies of the pages may be printed in any two languages by hitting a translate button. Boards may be saved to disk.



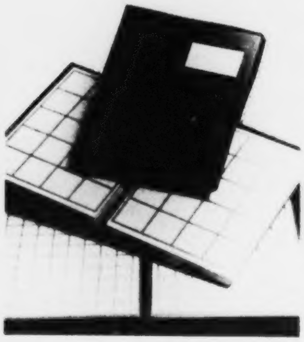
Product Name: Communication Displays for
Engineered Preschool Env.

Vendor: Mayer-Johnson Company

Cost: $129.00

Communication Displays for Engineered Preschool Environments Books I and II provide a total of 396 communication displays based on 100 activities of preschools. The activities deal with daily routines, self help skills, toys, fine motor skills, pretend play, and gross motor skills. Book I contains 123 displays with 16 symbols each, and 114 horseshoe eye-point displays with 13 symbols each. Book II contains 80 displays with 32 symbols each, and 79 displays with 36 symbols each. One or more of these types of displays will fit the PowerPad, Communiclock, Talking Eye-point Board, Say-it-Simply Plus, Clock Communicator, Comboard, MegaWolf, SuperWolf, Dial Scan, Touch Talker, Unicorn Expanded Keyboard, IntroTalker, MessageMate 40, Great Green Macaw, Macaw, and LightTalker (see entries). Some may require enlargement or reduction on a photocopy machine.

Each book is available separately for $69.00 each.



Product Name: Communication Folder and Tri-Folder

Vendor: Mayer-Johnson Company

Size: See text

Cost: $6.00 - $9.00

Communication Folder is a vinyl covered folder that contains sheets with one- or two-inch grids printed on them. Communication symbols can be affixed to the grids, which are covered with clear, non-glare vinyl pockets. The vinyl pockets resist the transfer of toner copying ink from photocopied communication symbols. A small pocket is provided on the front of the folder for an identification card.

Two models are available: the Communication Folder with two panels, which opens to 19.25" x 11.63" to display three 8.5" x 11" grids; and the Tri-folder with three panels, which opens to 29.5" x 11.63" (folds to 9.5" x 11.63") to display four 8.5" x 11" grids. Two spare grid sheets are provided; more are available.

Product Name: Communication Icon Galleries CD-ROM

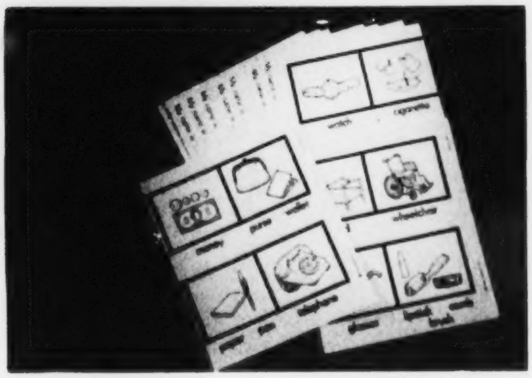
Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $650.00

The Communication Icon Galleries CD-ROM is an encyclopedia of more than 7,000 icons in all. The CD includes the Core Picture Vocabulary Gallery, Kids In Action Gallery, COMPIC Gallery, DynaSyms Gallery, and PCS Gallery. The Galleries allow the user to set up communication boards with the symbols and print them as overlays for Key Largo, Unicorn, 510 membrane keyboards, and Ke:Nx On:Board (see entries) Words and phrases can be assigned to each symbol and software can be used for voice output communication with the chosen keyboard. Also included on the CD is the DJ Speech ProPack to bring voices to the computer, Ke:nx Create 3.0, and communication ready setups for Ke:nx.

Each gallery is also available seperately for $50.00 - $399.00 each.



Product Name: Communication Sheets

Vendor: Fred Sammons, Inc.

Size: 2" x 3"

Weight: 11 oz.

Cost: $4.95

Communication Sheets are sheets of paper containing black-and-white line drawings with accompanying words. The user communicates by pointing to the desired picture.

Each package of Communication Sheets consists of ten "basic" sheets and ten "advanced" sheets.

No Photograph Available

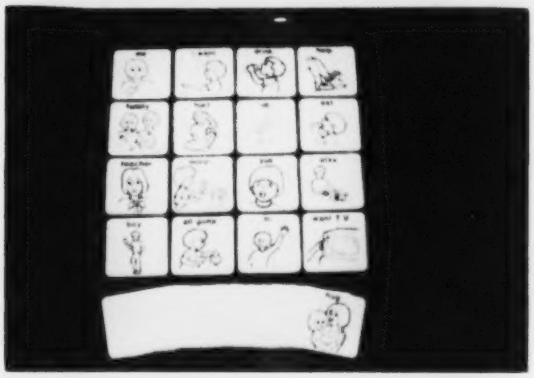
Product Name: Communication Symbol Holders

Vendor: Various (Generic Product)

Cost: Varies

Communication boards and notebooks can be custom designed, printed, and covered with some type of durable plastic. Other commercially available alternatives include notebook, binder, pocket, and wallet formats. Many types of plastic sleeves and plastic sleeve booklets are available from a variety of sources. For example, presentation page holders are available as 8-1/2" x 11" plastic pockets and plastic sleeve pages are available as photo albums in large format binder sizes to very small wallet size booklets. Features to consider when searching for these types of display materials are durability and flexibility of the plastic, the size of the presentation format, number of the pockets within the format, and binding requirements.

Photo albums and pages are available from photo accessory stores and most department and variety stores, credit card holders that slide into wallets are available from luggage and wallet stores, and presentation page holders are available from office supply stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.



Product Name: Core Picture Vocabulary

Vendor: Don Johnston Incorporated

Size: 2.75" x 2.75"

Cost: $28.00 - $36.00

The Core Picture Vocabulary is a basic communication and training system. The set contains 160 cards depicting functional vocabulary words such as "eat," "drink," "mother," and "my." Cards designed to allow the user to construct two to three word combinations representing recurrance, possession, etc. Written words corresponding to the message of each picture are printed on each card. Core Picture Vocabulary Double Sided has pictures and words printed on both sides, for use with see-through communication devices.

CORE VOCABULARY

Product Name: Core Vocabulary

Vendor: Blissymbolics Communication International

Size: 8.5" x 11"

Cost: $25.00

Core Vocabulary is a set of commonly used Blissymbols. The set contains five copies each of 207 Blissymbols. The symbols are printed on adhesive-backed material, for use with symbol boards and other communication systems. Included are 17 complete sentences for communication.

118

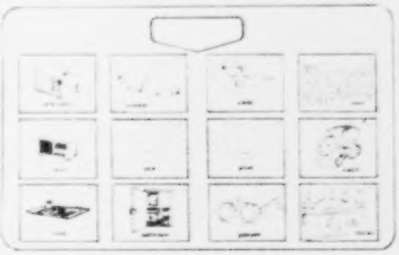
Product Name: Deluxe Communication Board Kit

Vendor: Crestwood Company

Size: 11.5" x 19"

Cost: $78.95

The Deluxe Communication Board Kit consists of a black acrylic case which can be used on lap, tray, or table top. A sturdy see-thru acrylic removable top holds and protects interchangeable communication boards. Storage space holds extra boards, stickers, etc. and the removable top can be used as a communication board by itself. Four reversible mat boards and 246 stickers of pictures, words, letters, and blanks are included.



Product Name: Deluxe Talk Board

Vendor: Crestwood Company

Size: 10.63" x 16.88"

Cost: $21.95

The Deluxe Talk Board is an impact-resistant white board with carrying handle. Pictures, words, and letters can be applied to both sides. Objects can also be used and the board can be written on with a wipe-off pen.

Price includes the Talk Board, vinyl envelopes, and one pen. Symbols are not included.

No Photograph Available

Product Name: DynaSyms

Vendor: Poppin and Company

Cost: $7.00 - $79.00

DynaSyms are picture symbols designed for placement on communication devices. Four packages are available. The DynaSyms Sampler ($7.00) has 88 full color stickers that sample the range of categories available. The DynaSyms 1700+ Stickers package ($79.00) has 20 sheets of 88 full color stickers each with an index for symbol location. The DynaSyms 1700+ Cut and Paste package ($20.00) has 20 sheets of 88 full color symbols each with an index for symbol location. The Cut and Paste with 1000+ DynaSyms ($15.00) is a paperback book in black and white with an explanatory text, an index of symbols, and over 1000 different DynaSyms in three sizes.

No Photograph Available

Product Name: Emotional Moods & Needs-G 3&4

Vendor: Help Me to Help Myself Communication Aids

Size: 11.25" x 14.25"

Weight: 0.6 oz.

Cost: $2.50

Emotional Moods & Needs-G 3&4 is a communication chart with over 50 printed words and phrases expressing psycho-social feelings and needs. Examples include: "I feel lonely," "I feel encouraged," "Are you worried?", "Please hold me." An alphabet board permits expression of intimate and special thoughts.

Product Name: Eye Transfer Communication System

Vendor: Zygo Industries, Inc.

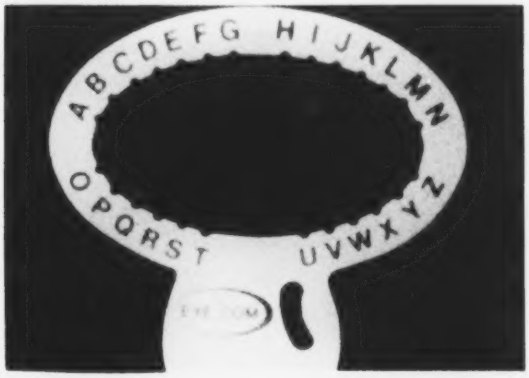
Size: 15" x 20"

Weight: 1 lb.

Cost: $415.00 - $595.00

Eye Transfer Communication System is a clear plastic panel with an open area in the center. Communication symbols are placed on the panel so as to be visible from both directions. The user and the person with whom he is communicating position themselves on opposite sides of the panel, and the user conveys messages by gazing at the appropriate symbols while the other person follows his gaze.

The Eye Transfer Communication System comes with a support frame for mounting. Various combinations of mounting hardware are also available (extra).



Product Name: Eye-Com

Vendor: Pitts Corporation

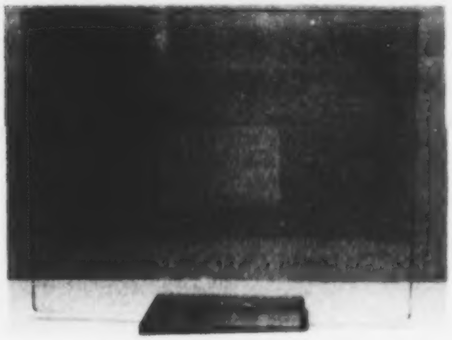
Size: 16" x 16"

Weight: 1 lb.

Cost: $65.00

Eye-Com is a portable non-electronic communication aid. The operator of the device stands near the user and gazes at the user through the center of the device. The operator rotates the letter wheel until the pointer rests on the desired letter. The user then gives a signal (such as an eye blink) to signal the operator to stop. Letters are then recorded on paper by the operator, and the process is repeated until an entire word or thought is expressed.

Both right-handed and left-handed models of Eye-Com are available.



Product Name: Eye-Com Board

Vendor: Imaginart International, Inc.

Size: 15" x 19" x 0.125"

Cost: $41.95

Eye-Com Board is a clear acrylic board inserted in a wooden stand. User-specifiable symbols are affixed to the board, and the user and the person with whom he is communicating sit on opposite sides of the board. The user's message is "read" by following his eye gaze. Eye-Com Board can be used for communication when pointing is not feasible, or for training augmentative communication skills.

Options available for the Eye-Com Board include a pack of 5 blank overlays ($17.95) and a Pocket Overlay with eight pockets for holding pictures or three-dimensional objects ($14.95).

No Photograph Available

Product Name: Fold It System

Vendor: Communication Development Products, Inc.

Size: 15.5" x 7.5"

Cost: $27.00 - $37.00

Fold It Systems are folding communication boards designed for organizing picture symbol cards. Two sizes are available: one holding 48 cards, the other holding 8. The larger tri-folder communication board measures 15-1/2" x 7-1/2" while folded, and 15-1/2" x 22-1/2" when open. The smaller version of the board measures 7" x 9". Spaces are designed to hold communication cards of up to three inches square.

No Photograph Available

Product Name: Foods I Like Menu Book

Vendor: Help Me to Help Myself Communication Aids

Size: 8.5" x 11"

Weight: 2 oz.

Cost: $3.00

Foods I Like Menu Book is a non-electric communication aid. The book contains 12 pages of large print listing 150 foods by groups on paper.

No Photograph Available

Product Name: Help Me at Home & School-G 5&6

Vendor: Help Me to Help Myself Communication Aids

Size: 11.25" x 14.25"

Weight: 0.6 oz.

Cost: $2.50

Help Me at Home & School-G 5&6 is a communication chart with over 40 illustrations of daily events and basic needs of nonvocal children. Examples of included illustrations are happy, sad, where it hurts, prosthetic devices, up in wheelchair, sit on floor, down on mat, child in bed, mother, father, thirsty, etc.

Product Name: Help Me to Help Myself Handbook

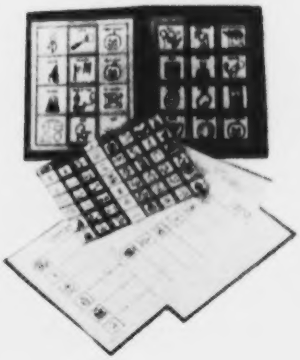
Vendor: Help Me to Help Myself Communication Aids

Size: 5.75" x 4.25"

Weight: 2.6 oz.

Cost: $5.00

Help Me to Help Myself Handbook is a non-electric communication aid. The book contains 50 pages in six color-coded sections showing basic physical needs by words in both print and cursive writing, illustrations, a SPELL IT alphabet, numbers, and the words "Pain where?" in 20 languages.



Product Name: Holiday Kit

Vendor: Mayer-Johnson Company

Cost: $29.00

Holiday Kit is a set of boards, using the Picture Communication Symbols (PCS), intended to motivate spontaneous conversation about holidays and other special days. Pre-made boards in 1" and 2" sizes are included for Christmas, New Years Eve, Easter, birthdays, Halloween, Mothers Day, Fathers Day, Thanksgiving, and Valentine's Day. Duplicable symbol masters are included for the above holidays, plus Labor Day, July 4, St. Patrick's Day, six Jewish holidays, Memorial Day, Presidents' Day, April Fool's Day, Veterans' Day, and Martin Luther King, Jr. Day. The symbol masters include over 250 symbols, 130 of which are not in Picture Communication Symbols Book 1 or 2 (see entry). Blank 1" and 2" color-coded boards (six of each), a vinyl folder, an information sheet about each special day, and two reproduceable worksheet masters (one to be filled in before a special day and one to be filled in afterwards) are also included.

No Photograph Available

Product Name: ICU-G 1&2

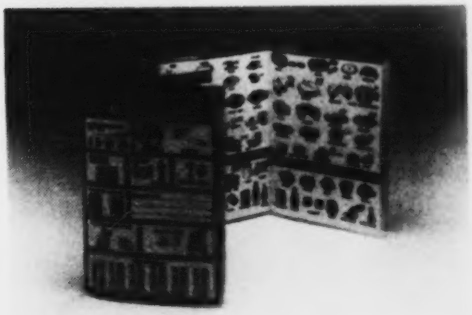
Vendor: Help Me to Help Myself Communication Aids

Size: 11.25" x 14.25"

Weight: 0.6 oz.

Cost: $2.50

ICU-G 1&2 is a communication chart with 20 words or phrases and 20 illustrations showing basic needs for use in intensive and coronary care, recovery and emergency units. The chart is available in English and Spanish.



Product Name: Illustrated Menu

Vendor: Attainment Company

Cost: $12.00

Illustrated Menu is a picture menu to help the user with food and beverage selection. The product has over 200 pictures of various foods and beverages as well as important key phrases (such as "Where is the rest room?") and a tip finder. The Illustrated Menu contains several pages to flip through and all are laminated so that they can be written on.

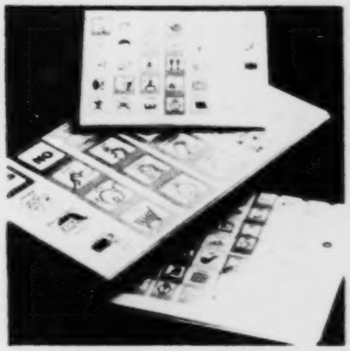
Product Name: Imaginart Gallery

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $225.00

The Imaginart Gallery is a Macintosh software gallery of more than 1,000 color illustrated icons to use with Ke:nx from the Pick 'n Stick set by Imaginart. Includes pictures of feelings, family and friends, clothing, toys, household items, favorite fast foods, restaurants, animals and more.



Product Name: Individualized Communication Systems

Vendor: Mayer-Johnson Company

Size: 8.5" x 11" or 11.75" x 19"

Cost: $19.00 - $29.00

Individualized Communication Systems are plastic boards with clear vinyl pockets one or two inches square. The boards are designed to aid teachers and therapists in training non-vocal persons to use picture symbols, and are not intended to be used as a long-term communication system. Communication symbols of any kind can be placed in the pockets, and a clear, non-glare plexiglass cover snaps on top. Each Individualized Communication System package comes with seven colors of card stock paper on which to mount communication symbols.

Individualized Communication System boards come in three types: an 8.5" x 11" board with 1" pockets, a 11.75" x 19" board with 1" pockets, and an 11.75" x 19" board with 2" pockets.

Product Name: Life Experiences Communication Kit

Vendor: Mayer-Johnson Company

Size: 8.5" x 11"

Cost: $39.00

Life Experiences Communication Kit provides the materials for an instructor to teach 11 separate lessons in daily life experiences to non-speech or limited speech students. The lesson plans included cover such activities as "Make Juice," or "Wash Face," or "Go Restaurant." Each lesson comes with an 8.5" x 11" Mini Communication Board with the appropriate color-coded Mayer-Johnson Picture Communication Symbols (a total of six boards; some are for more than one lesson), a step-by-step Picture Direction Sheet for the student, and an instruction sheet for the teacher.

Additional boards and symbols are available at extra cost.

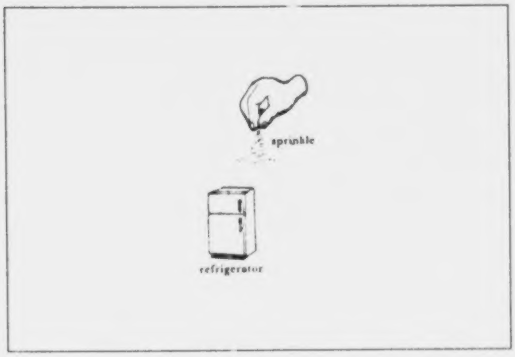
Product Name: Long Wallet

Vendor: Mayer-Johnson Company

Size: 4" x 8.5"

Cost: $8.00

The Long Wallet is designed to carry up to 576 one inch communication symbols. This product has twelve clear, non-glare, top loading pages. The Wallet comes with a grommet so that it can be attached to a belt with a strap or clip; it also fits into a back pocket or purse.

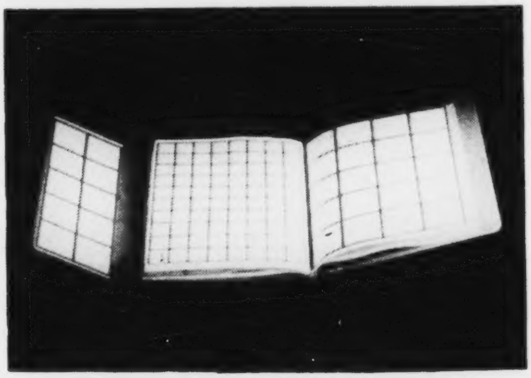


Product Name: Mealtime Stickers

Vendor: Attainment Company

Cost: $19.00

Mealtime Stickers is a set of 192 vinyl stickers and three 4" x 6" polyboards. The stickers feature line drawings and words to represent items like "refrigerator" and "glass" and actions like "sprinkle." The vinyl stickers are removable and reusable.



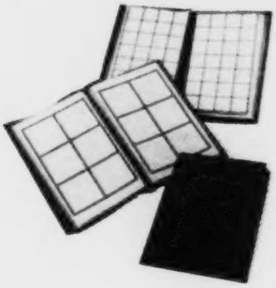
Product Name: Mega-Book

Vendor: Mayer-Johnson Company

Cost: $18.00

The Mega-Book is a full size folder designed to hold communication symbols. The book contains twelve top loading sheets seamed into it which can hold one or two inch symbols. Each of the clear cover sheets has an 8-1/2" x 11" display area. The total capacity of the book is 2,320 one inch symbols or 580 two inch symbols. The book contains an additional half page cover to be used for displaying common vocabulary.

Grids can be used in the Mega-Book but must be purchased separately.



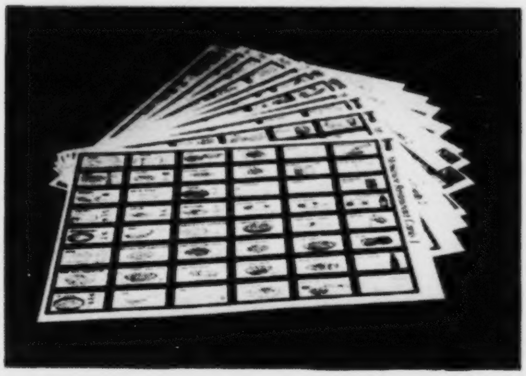
Product Name: Mid-Sized Communication Book

Vendor: Mayer-Johnson Company

Cost: $9.00

Mid-Sized Communication Book is a 5.13" x 6.75" vinyl covered folder to accommodate 624 one-inch or 156 two-inch communication symbols. Twelve non-glare vinyl page covers are included. The vinyl resists the transfer of toner copying ink from photocopied communication symbols.

Replacement grids are available; contact manufacturer for details. The books also include a grommet for attachment to a belt clip or strap.

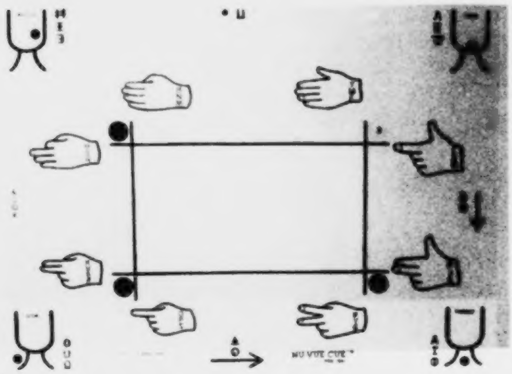


Product Name: Mini Picture Set

Vendor: Attainment Company

Cost: $25.00

Mini Picture Set is a group of communication symbols which may be used for making communication boards or illustrated lists. The symbols are in black and white so that they may be photocopied. There are twelve pages with a total of 576 symbols. Symbols are grouped on pages according to subject area; topics include: daily routine, shopping, restaurants, and choices for planning the day.



Product Name: Nu-Vue-Cue

Vendor: R.D. Clark, Inc.

Size: 15" x 20"

Cost: $25.00 - $125.00

Nu-Vue-Cue is a clear plastic eyegaze communication system. The system is divided into eight sections: the user looks at different sections in sequence in order to select one of the forty basic phonetic sounds. Each of the sounds is represented by symbols called cue scripts, which combine eight hand symbols with four facial positions. The person receiving the message sits on the other side of the board, facing the user, and translates the accumulated phonemes into words and phrases. The user and the message receiver may maintain eye contact throughout the process, and as the system is learned, the user and the receiver may communicate without the presence of the plexiglas board.

Price of system depends on how many of the components are needed by the user; the plexiglass board is $50.00, an explanatory book for the system is $25.00, and Apple disks which train both the Nu-Vue-Cue system and Standard Cued speech are $50.00. Videotapes are also available to help teach the system. Contact manufacturer for details.

Product Name: Oakland Schools Picture Dictionary

Vendor: Oakland Schools-Communication Enhancement Center

Size: 0.5", 1", or 2" squares

Cost: $45.00

The Oakland Schools Picture Dictionary is a collection of over 600 simple line drawings which may be used for communication or language training. Three sizes of drawings are provided: half inch, one inch and two inch. An alphabetical and categorical index is provided so that symbols may be located quickly.

No Photograph Available

Product Name: Object Communicator

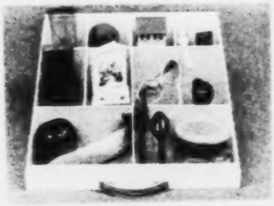
Vendor: Crestwood Company

Size: 11" x 17.5"

Cost: $64.95 - $96.95

The Object Communicator is an eye communication board that holds four objects on four-sided shelves. The user focuses eyes on object needed. There is room to mount pictures near object for training in association of picture to object.

The Object Communicator alone costs $64.95. The Object Communicator with 17 objects, picture cards, and a carrying pail costs $96.95. A stand is not included but a table stand is available for $36.95 and a floor stand is available for $87.95.



Product Name: Object Display

Vendor: Crestwood Company

Size: 8" x 14.25" x 13.12"

Cost: $69.95

The Object Display can display up to 12 objects on three elevated tiers. The case is white acrylic with a clear acrylic cover and carrying handle. There are ten various sized compartments.

No Photograph Available

Product Name: Object Stand or Calendar Box (3 or 5)

Vendor: Crestwood Company

Size: 6" x 6" x 18"

Cost: $64.95 - $74.95

This device can be used as an object stand for communication and training of eye gaze or pointing skills, or as a calendar box to train sequencing of the day's events. Three objects can be placed in the cubicles in order of temporal usage. The black door lays flat on top of the box when open.

Product Name: Object-Picture Talk Board

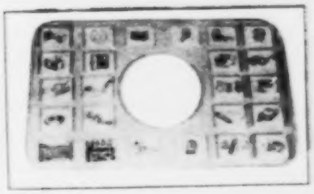
Vendor: Crestwood Company

Size: 5.75" x 6.75"

Cost: $36.95 - $64.95

Object-Picture Talk Board is a communication board that uses objects and models of objects. The plastic board provided is washable, so names of objects can be written in water soluble marker. Objects can be mounted securely to the board with Dual Lock Tape. Objects provided include: watch, TV, toilet, phone, food, and so forth.

The complete Object-Picture Talk Board Kit ($64.95) includes the board, 17 objects, 17 corresponding picture cards, a storage pail for the objects, Dual Lock Tape, and a water-soluble marker. The objects, cards, and pail are also available separately ($36.95).



Product Name: Opticommunicator

Vendor: Crestwood Company

Size: 11" x 17.5"

Cost: $59.95 - $81.95

Opticommunicator is a patented eyegaze communication device made of transparent acrylic. The user makes selections by gazing at the location of the desired letter, word, or picture on the Opticommunicator. The receiver sits directly across from the user and watches the direction of the user's gaze through an open space in the center of the clear board.

Three models are available. The Opticommunicator ($59.95) includes 246 picture stickers and an acrylic base stand. Opticommunicator Maxx ($81.95) includes an acrylic base stand, four color-coded overlays, 246 picture stickers, and one vinyl envelope to store stickers and overlays. Object Communicator ($64.95) holds 4 objects and corresponding pictures. A floor stand ($87.95) and table stand ($36.95) are also available.

Product Name: Passport Kits

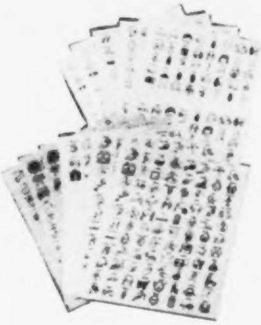
Vendor: Crestwood Company

Size: 4" x 3.25"

Cost: $17.95 - $43.95

Passport Kits are versions of the small Porta Book portable communication book (see entry, Crestwood Company) provided with pictures appropriate to the specific category. The user can communicate by opening the book and pointing to the desired item, or by circling items ahead of time using a water-soluble marker on the clear vinyl that covers each page. Twelve kits are available: Fast Food Passport ($20.95 with 44 cards); Personal Needs Passport ($20.95 with 47 cards, available for either males or females); Recreation Passport ($37.95 with 225 cards); Supermarket Shopping Passport ($49.95 with 315 cards); Casual Dining Passport ($26.95 with 135 cards); Shopping Center Passport ($42.95 with 270 cards); School Passport ($37.95 with 225 cards); Drug Store Passport ($32.50 with 180 cards); VIP Phone Passport ($12.95 with 50 cards); Breakfast Passport ($14.95 with 60 cards); Table Talk Passport ($22.95 with 60 cards); and Health Passport ($20.95 with 60 cards).

Passport Kits includes the small (4" x 3.25") Porta Book, picture cards, dividers, a water-soluble marker, and a storage case. Extra markers are available.



Product Name: PCS Color Stickers

Vendor: Mayer-Johnson Company

Size: 0.75" square

Cost: $24.00

PCS Color Stickers are versions of the Mayer-Johnson Picture Communication Symbols printed as peel-and-stick stickers. The stickers are available in a 3/4" square size only. The backgrounds are printed in six different colors, according to topic. The set includes two copies each of 560 of the most commonly used PCS vocabulary items from Picture Communication Symbols, Book I and Book II (see entry).

Product Name: PCS Stamps

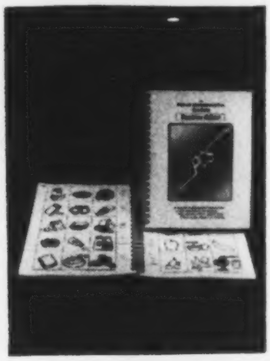
Vendor: Mayer-Johnson Company

Size: 1" square

Cost: $29.00 - $44.00

PCS Stamps are versions of the Mayer-Johnson Picture Communication Symbols printed as lick-and-stick stamps. They are available in a one-inch square size only.

Six different sets are available, containing 4-12 copies each of 1,100 symbols. Book I Black on White Stamps ($29.00) contains a total of 5,400 stamps (700 symbols). Book I Color-Coded Stamps ($34.00) contains the same number, color-coded by topic. Book II Black on White ($39.00) contains 9,100 stamps (over 1,100 symbols), as does Book II Color-Coded ($44.00). Book III Black on White Stamps costs $39.00 and Book II Color-Coded costs $44.00.



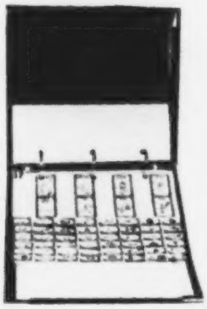
Product Name: PCS Wordless Edition

Vendor: Mayer-Johnson Company

Size: 2", 1", and 0.75" squares

Cost: $59.00

The PCS Wordless Edition contains all of the Picture Communication Symbols from Books I and II (see entry) without the word printed above the picture. A space is left above each symbol so that the user may write in any word desired. The suggested English word for each symbol is provided for translation when needed. The original Book I guide and alphabetical and subject indexes are included.



Product Name: PEACEbook

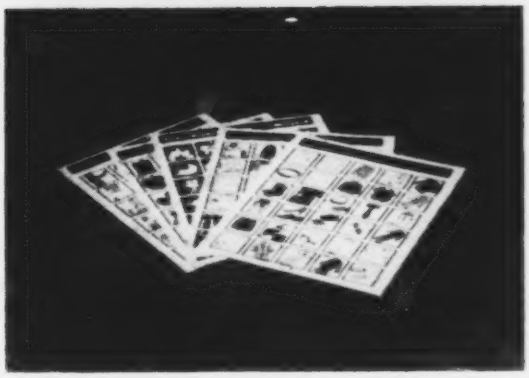
Vendor: TIGER Communication System, Inc.

Size: 9" x 8" x 2"

Cost: $85.00

PEACEbook is a picture communication book. The book is a three-ring binder with 66 laminated pages of color-coded symbols with corresponding words. The user can point to tabs to select a subject page, and by pushing down on the tab and then flipping up, open the book to that page of symbols. Pages can be removed and used as small communication boards or overlays for expanded keyboards. PEACEbook includes TIGER Language Symbols, a supplemental label set providing 1,340 additional picture symbols.

PEACEbook is also available with an add-on voice output keyboard at additional cost; see separate product descriptions for Personal Trainer and Specialist.



Product Name: Pick 'n Stick Color Micros

Vendor: Imaginart International, Inc.

Size: 4.5" x 3.5"

Cost: $54.95

Pick 'n Stick Color Micros are 5/8" square color symbol stickers with an adhesive backing. The package includes pictures found in Pick 'n Stick Color Packs A and B (see entry), as well as stickers designed to represent abstract ideas. Blank stickers are also included. The stickers can be attached to communication aids or other electronic devices.

The package includes 23 4.5" x 3.5" sheets, with 30 stickers per sheet.

No Photograph Available

Product Name: Pick 'N Stick Color Packs

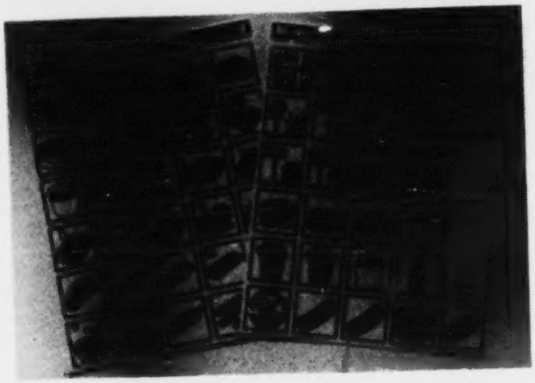
Vendor: Imaginart International, Inc.

Size: 1.5" square

Cost: $4.50 - $110.00

Pick 'N Stick Color Packs are full-color symbol stickers with adhesive backing. Each sticker is 1.5" square and contains a colored drawing indicating some message or unit of a message to be communicated. Pick 'N Sticks are designed to be adhered to communication aids, communication boards, notebooks, and electronic device overlays. The stickers come in sheets of 30, categorized by subject.

Pick 'N Sticks are available in four packages. Color Pack A includes: Feelings, Family and Friends, At Home (Rooms and Spaces), Common Activities, Events, Places, Common Items, Toys, Clothing, Transportation, Food, Health, Emergency, and Miscellaneous. Color Pack B includes: Common Activities, Spatial Concepts, Plurals, Opposites, Body Parts, Occupations, and Animals. Color Pack C includes: more Common Items and Activities, Kitchen Chores, school and work related images, and more. Color Pack D includes: Stores & Restaurants, Feelings, more Common Activities, Events, Television, Common Items, Animals, Clothes, Transportation, Food, Health, Symbols/Words, People, and Canadian Currency. Corresponding word packs and packages of duplicated common symbols are also available.



Product Name: Pick 'N Stick Fast Food

Vendor: Imaginart International, Inc.

Size: 1.5" square

Cost: $15.00

Pick 'N Stick Fast Food Packs are full-color symbol stickers with adhesive backing. Each sticker is 1.5" square and contains a colored drawing indicating some message or unit of a message relevant to ordering in a fast food restaurant. Symbols are included for standard fast food chains and standard food orders (burgers, fries, salads, coffee, burritos, etc.) Pick 'N Sticks are designed to be adhered to electronic communication aids, communication boards, notebooks, etc. The stickers come in sheets of 30 (120 stickers total). Corresponding word pack available ($4.50).

Product Name: Pick 'n Stick on Disk

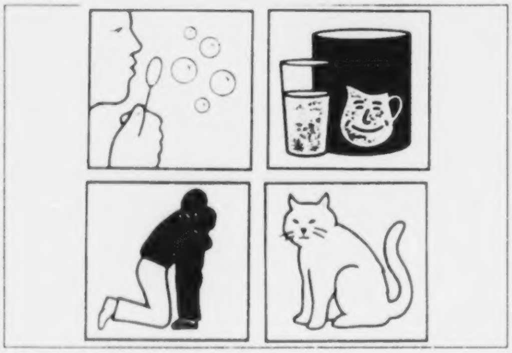
Vendor: Imaginart International, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $149.00 - $199.00

Pick 'n Stick on Disk features the symbols from the Touch 'n Talk and Pick 'n Stick series (see entries) on a software clip art library. Over 1,200 full-color and over 1,200 black and white illustrations are included and are organized by subject into the following categories: people, feelings, food, clothes, things around the house, common activities, occupations, etc. The images are presented in a format designed to be easily imported into word-processing, publishing, and other programs for building communication boards and other applications.

Images are provided in PICT format for the Macintosh and in TIFF format for the PC. The IBM version requires a 386 or above, a monitor that supports 256 colors or grays, at least 1 MB RAM, DOS 3.3 or higher. The Macintosh version requires a Mac Classic or above with a monitor capable of displaying 256 colors or grays, system 6.0.7 or above with at least 2 MB RAM or system 7 with at least 4 MB RAM.



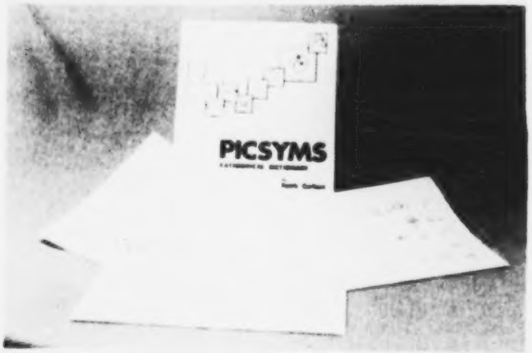
Product Name: Pick 'n Stick Primary Pack

Vendor: Imaginart International, Inc.

Size: 2.5" squares

Cost: $29.00

Pick 'n Stick Primary Pack is a set of larger and less complex Pick 'n Stick (see entry) symbol stickers designed for use with young children. The 96 stickers are organized into the following categories: things to do, things around the house, toys, food, friends & family, feelings, transportation, and adaptive aids.



Product Name: PICSYMS Categorical Dictionary

Vendor: Poppin and Company

Size: 1.25", 2", or 2.75" squares

Cost: $35.00

PICSYMS Categorical Dictionary is an instructional manual that teaches how to draw communication symbols. In addition, over 800 example PICSYMS in three sizes are included. The pages are printed on both sides, but may be copied for placement on communication devices.

No Photograph Available

Product Name: Picture Communication Symbols - Combination Book

Vendor: Mayer-Johnson Company

Size: 2", 1", & 0.75" squares

Cost: $119.00

Picture Communication Symbols - Combination Book contains all of the symbols from the Picture Communication Symbols Books I, II, and III (see entries) organized in a 2" binder. In addition, a few new symbols have been added such as "glue stick" and "recycle." An updated guide is included in a separate booklet.

A wordless edition of the Combination Book is also available for $99.00.

THE
PICTURE
COMMUNICATION
SYMBOLS

Product Name: Picture Communication Symbols, Books I, II & III

Vendor: Mayer-Johnson Company

Size: 1" or 2" squares

Cost: $45.00 - $49.00

Picture Communication Symbols, Books I, II, and III are three sets of pages of black-and-white line drawings on one- and two-inch squares. Each drawing is labeled with a word; some more abstract concepts are simply represented by a word. The pages are intended to be photo-copied and cut apart so that the separate symbols can be used in non-vocal communication systems such as communication boards.

Book I contains over 700 different communication symbols, and comes with a starter guide illustrating the basics of making communication boards. Book II is a supplement to Book I, which contains 1,100 additional symbols, featuring such topic areas as fast food restaurants, religion, sexuality, computers, and conversational discourse phrases such as "please repeat." Book III supplements the other books with an additional 1,400; it gives theme sections (such as playing games, shopping, etc.), holidays, brand names, story characters, fast food logos and items, and more communication facilitating symbols.

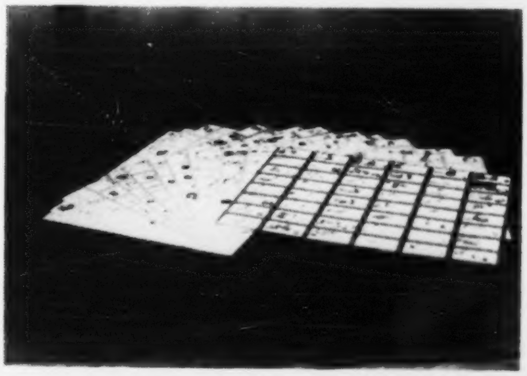
Product Name: Picture Prompt Cards

Vendor: Attainment Company

Cost: $85.00

Picture Prompt Cards include 576 laminated cards featuring shopping, meal time, and daily activities. Included in the set are eight storage boxes and a marking set for personalizing the cards.

The cards can be placed in communication books (not included) available in three sizes. The communication books cost $9.00 - $24.00.



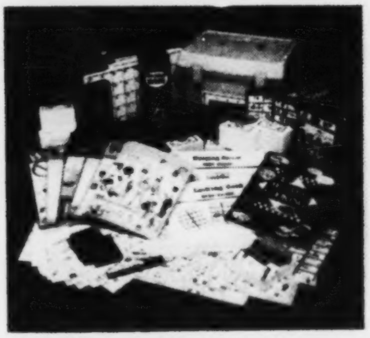
Product Name: Picture Prompt Stickers

Vendor: Attainment Company

Cost: $59.00

Picture Prompt Symbols are vinyl communication symbols for making communication boards or illustrated lists. There are 576 symbols which depict activities, objects, and situations; some topics included are shopping, housekeeping, restaurants, and daily planning. The symbols are on twelve vinyl sheets with 48 on each.

Three 4" x 6" display boards, three sticker booklets, carrying case, and directions are included.



Product Name: Picture Prompt System

Vendor: Attainment Company

Cost: $447.00

The Picture Prompt System includes the picture prompt and hands-on material from the manufacturer's life skill programs. This system is designed to help nonreaders and people with communication difficulties acquire shopping, dining, cooking, personal care, housekeeping, and scheduling skills. The system includes hundreds of shopping, routine, and choice cards, 588 illustrated language cards, six illustrated Learn About Life guides, 12 sheets of picture prompt stickers, five illustrated guides, a full-color picture sequenced cookbook, two step-by-step picture sets, display book, and store and carry box.

Product Name: Picture Your Blissymbols

Vendor: Blissymbolics Communication International

Cost: $55.00 - $105.00

Picture Your Blissymbols is a set of large 2-5/8" illustrated Blissymbols in stamp or flashcard format. Vocabulary items support interactive communication. An unembellished set of Blissymbols that can be personalized is also provided.

The complete kit sells for $105.00 and includes a teaching manual, stamp and flashcard book, Blissymbols for Use, teaching aids, and carrying bag. The kit without the teaching aids and carrying bag is available for $75.00, and the stamp and flashcard book with teaching manual alone is available for $55.00. In addition, a core vocabulary set consisting of 207 of the most frequently used Blissymbols is available for $25.00.

Pictures, please!
an articulation supplement
es, please!

Product Name: Pictures, Please!

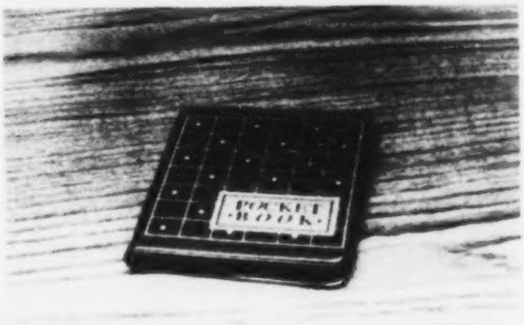
Vendor: Communication/Therapy Skill Builders

Size: 8.5" x 11"

Cost: $45.00

Pictures Please! is a set of reproducible line illustrations for either language or articulation activities. The pictures are large black and white drawings on pages in a three-ring binder, which can be easily reproduced and used for games, flashcards, drills, or communication boards. Pictures Please! A Language Supplement has 1,232 illustrations on 224 pages which are arranged according to five major parts of speech: nouns, verbs, prepositions, pronouns, and modifiers. Entries are coded and cross-referenced for teaching various semantic and syntactic language concepts. Pictures Please! An Articulation Supplement has 1,242 pictures on 290 pages arranged for 43 different sounds, emphasizing sounds and blends that are common areas of difficulty such as /sh/, /ch/, and /r/.

The Language and Articulation Supplements are both sold separately for $45.00 each, or as a set for $79.00. Each set includes instructions, planning and activity sheets that are also reproducible.

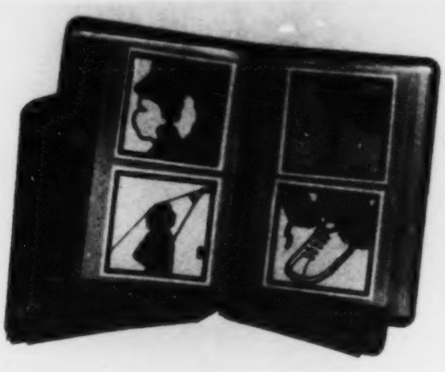


Product Name: Pocket Book

Vendor: Attainment Company

Cost: $9.00

Pocket Book is an organizing case for communication symbols. The case has plastic pockets to hold the symbols and they are arranged on pages like a book. The pockets are designed to hold symbols from other Attainment Company products; check other entries for symbol sizes.



Product Name: Pocket Picture Holder

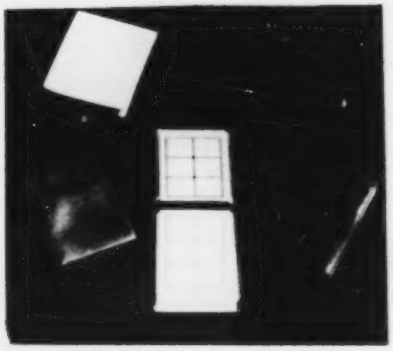
Vendor: Imaginart International, Inc.

Size: 4.5" x 3"

Cost: $7.95

Pocket Picture Holder is a pocket-size notebook designed to hold communication symbols. Two 1.5" square symbols will fit on each vinyl page. The book can hold up to 64 1.5" square symbols. Different color cards (included) can be inserted as background in order to color code pages of symbols. A card is also provided which contains ID information and an explanation to the "listener" about the purpose of the symbol book.

Symbols must be purchased separately.



Product Name: Pocket-Sized and Double Pocket-Sized Communication Book

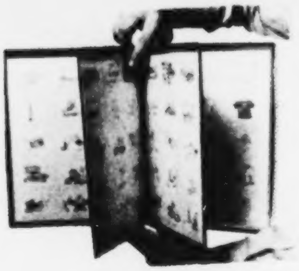
Vendor: Mayer-Johnson Company

Size: See text

Cost: $3.00 - $5.00

Pocket-Sized Communication Book is a small (3.2" x 4.2") vinyl covered notebook able to hold 144 one-inch symbols. Double Pocket-Sized Communication Book measures 4" x 5.38" and can hold 288 one-inch symbols. Communication symbols can be affixed to the pages of either book; the pages come with clear, non-glare vinyl protectors that resist the transfer of toner copying ink from photocopied communication symbols.

Additional grid pages are available (extra). The books also include a grommet for attachment to a belt clip or strap.



Product Name: Porta Boards

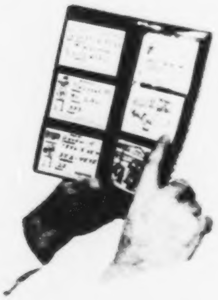
Vendor: Crestwood Company

Size: 9" x 12"

Cost: $10.95 - $21.95

Porta Boards are communication devices that hold Talking Pictures cards/stickers (see entry) or other non-electronic communication aids. Each has see-thru vinyl pockets that can be writen on with wipe-off pens and card stock sheets for mounting symbols. The Deluxe Porta Board has two large symbol sheets, one on each side, and sells for $10.95. The Folding Porta Board has four pockets, a detachable shoulder strap and sells for $22.95. The Triple Porta Board has six pockets and sells for $18.95. The Maxi Porta Board has eight pockets, a carrying strap and sells for $21.95.

Picture cards and stickers are not included.



Product Name: Porta Book

Vendor: Crestwood Company

Size: See text

Cost: $8.50 - $18.95

Porta Book is a folding communication aid that contains picture symbols and their corresponding words. Porta Book is available in four sizes. The Small Porta Book ($8.50) holds up to sixteen picture cards (4" x 3.5"); the Standard Porta Book ($11.50) holds up to 24 picture cards (4" x 3.5"); the Large Porta Book ($13.50) holds up to 36 picture cards (9" x 4.5"); and the Porta Notebook ($18.95) has eight bound vinyl pages plus room for two symbol sheets on inside hard covers.

Large page clips (extra), to aid in turning pages, are available for the Porta Books.

Product Name: Select-A-Meal and Shopping Smart

Vendor: Attainment Company

Cost: $45.00 per set

Select-A-Meal (formerly Restaurant Cards) and Shopping Smart (formerly Shopping Cards) are two sets of 3.5" x 2" full-color laminated cards that can be inserted in a card case (included) and carried to the restaurant or store. Select-A-Meal includes 144 cards in nine color-coded menu categories (dinner, side dishes, beverages, condiments, etc.) and an illustrated menu. Shopping Cards includes 240 cards of food items, clothing, household, and personal care items. Also included in each set are wipe-off markers which can be used for writing specifics (flavor, brand, etc.) on the card.

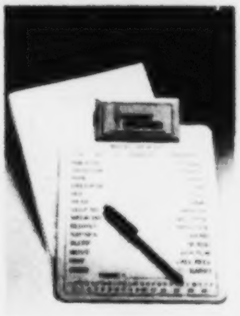
Product Name: Self-Talk Stickers

Vendor: Communication/Therapy Skill Builders

Size: 9" x 12"

Cost: $49.00

Self-Talk Stickers are stickers that are enlarged versions of the pictures and words used on levels 1 through 5 of the Self-Talk Communication Boards (see entry). Each sticker is 1.5" x 2"; 441 different stickers are included. The package consists of two sets of 13 full-color sticker sheets and one set of black and white sticker sheets. Each sheet shows picture stickers with smaller word stickers below each picture. Blank stickers are included for personal drawings, photographs, or other pictures.



Product Name: Silent Speaker

Vendor: Trademark Medical

Size: 9" x 11"

Cost: $19.95

Silent Speaker is a communication aid for use in health care situations. Nine models are available for a variety of situations including intensive care, rehabilitation or home care, ER assessment, trauma, neurological, and obstetric. Spanish and large type versions are also available. Each model features printed key words and phrases that can be pointed to or circled to express the patient's needs or desires, a line drawing of a human form for pointing to areas of pain or need of attention, and letters and numbers.

No Photograph Available

Product Name: Stickers for Talk Boards

Vendor: Crestwood Company

Size: 1.63" x 2"

Cost: $9.50 - $19.95

Stickers for Talk Boards are the pressure sensitive stickers from the Talking Pictures Kits (see entry). The Survival Needs set includes 96 stickers for $9.50, the Community Needs set includes 216 stickers for $19.95, the Daily Needs set includes 216 stickers for $19.95, and the Fast Foods set includes 144 stickers for $13.95.

Product Name: Talking Pictures Communication Board

Vendor: Crestwood Company

Size: 11" x 17.25"

Cost: $36.95

Talking Pictures Communication Board is a portable communication board that comes with nearly 200 symbol stickers and fifty blank stickers from which a vocabulary may be developed. The Talking Pictures Communication Board may have symbols applied to both sides, and two heavy vinyl envelopes to hold the board are provided.

Product Name: Talking Pictures, Kits I - VII

Vendor: Crestwood Company

Size: 2.5" x 3.75"

Cost: $29.50 - $46.95 each

Talking Pictures, Kits I - VII are patented sets of cards with a word and line drawing, organized by different categories of living needs. Kit I - Survival Living Needs ($29.50) is a set of 115 picture cards divided into eight classifications of living needs (room, bathroom, health, aids, food, clothing, people, and miscellaneous). Stickers from this kit are available for $9.50. Kit II - Community Living Needs ($46.95) is a set of 220 cards in nine categories (people, transportation, places, interests, money, signs, weather, school/office equipment and activities). Kit III - Daily Living Needs ($46.95) is a set of 220 cards divided into eleven classifications (parts of home, furniture, kitchen, clothing, grooming, food and beverages, fruits and vegetables, home activities, communication, and outside the home). On the reverse of each card in kits I - III, the words are listed in five languages: English, Spanish, German, French, and Italian. Kits V, VI, and VII have the same pictures as kits III, II, and I respectively but also features sign language on the back.

Included are 10-20 vinyl envelopes on a metal ring and a vinyl cord.

Product Name: Touch 'N Talk Communication Board

Vendor: Imaginart International, Inc.

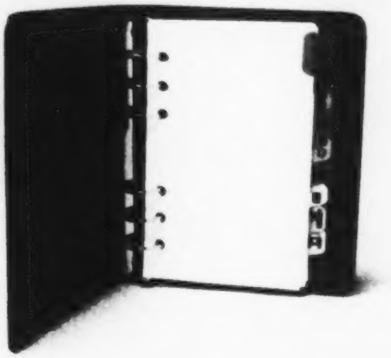
Size: 11.25" x 14" or 14.5" x 19"

Weight: 12 oz. or 20 oz.

Cost: $16.00 - $20.00

Touch 'N Talk Communication Board is a rigid, waterproof, white plastic board. Touch 'N Talk stickers or other user-specifiable symbols can be affixed to the board for direct-selection communication through pointing. The board can also be written on with a water-based marking pen.

Touch 'N Talk Communication Boards are available in two sizes. Transparent slip-on vinyl covers are available for both (extra). A Touch 'N Talk Tote Board, the same basic design but with a built-in handle, is also available in the same two sizes.



Product Name: Touch 'N Talk Communication Notebook

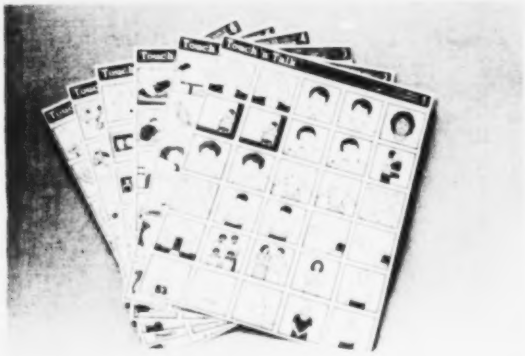
Vendor: Imaginart International, Inc.

Size: 7.38" x 5.75"

Cost: $18.50 - $29.95

Touch 'N Talk Communication Notebook is a small looseleaf binder with blank pages. User-specifiable symbols such as Touch 'N Talk stickers can be affixed to the pages for communication through pointing. Sections are separated by dividers with color tabs on them. Each tab contains a graphic symbol for a category of message (food, people, feelings, etc.).

Extra blank pages ($3.50 each) and notebook page protectors ($14.95 each or $29.95 for twenty protectors and the Notebook) are available for the Touch 'N Talk Communication Notebook.



Product Name: Touch 'N Talk Communication Stickers

Vendor: Imaginart International, Inc.

Size: 1.5" x 1.5" each

Cost: $15.50 - $45.95

Touch 'N Talk Communication Stickers are 1.5" square stickers, each containing a black-and-white drawing suggesting some message or unit of a message to be communicated. The adhesive on the back of the stickers is made to adhere to surfaces such as communication boards. One set contains 420 stickers, divided into categories such as feelings, family and friends, clothing, etc. Doubles are provided of the most commonly used symbols.

The basic sticker set is $35.50. A Touch 'N Talk Supplement of an additional 180 stickers is also available for $15.50. Both sets together are $45.95.

Product Name: Touch 'N Talk Micros

Vendor: Imaginart International, Inc.

Size: 0.6" x 0.6" each

Cost: $27.95

Touch 'N Talk Micros are smaller (5/8" square) versions of the Touch 'N Talk Communication Stickers designed to be affixed to the overlays of electronic communication devices. These stickers can be used to indicate which keys have been programmed to speak an entire word or phrase. Included in the 660-sticker set are Touch 'N Talk Symbols: specific graphic symbols that can be used to identify broad categories or abstract ideas.

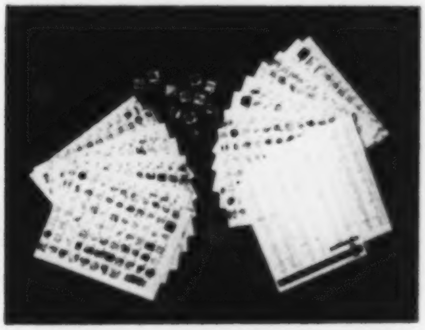
Product Name: WordWise Language & Master Cards

Vendor: Attainment Company

Size: 3" x 3.5"

Cost: $49.00 - $69.00

WordWise Language Cards are full-color picture cards. Each illustrates a word with the word printed in English and Spanish on the back. The 588 cards include nouns, verbs, adjectives, adverbs, prepositions, and expressions in functional everyday vocabulary. The cards are desiged for use in conversation, word recognition, writing, spelling or sentence building. A laminated surface allows the user to write and erase on cards. The cards come collated and ready to use. WordWise Master Cards feature the Language Cards as reproducible black and white masters with space provided for writing the word under the picture. The Master Cards come in a spiral-bound format.



Product Name: WordWise Sticker Set

Vendor: Attainment Company

Size: 1" squares

Cost: $39.00

WordWise Sticker Set includes two sets of 588 color stickers illustrating nouns, verbs, adjectives, adverbs, prepositions, and expressions. The stickers are designed for use with flash cards, illustrated worksheets, student word lists, and augmentative communication. The manufacturer recommends using the stickers with their Attainment Talkers (see entries).

No Photograph Available

Product Name: Writing Utensil Grips

Vendor: Various (Generic Product)

Cost: Varies

Numerous writing utensil adaptations are available from specialty rehabilitation catalog houses and local rehabilitation supply stores. Alternatively, many individuals with disabilities find mass market writing utensil grips helpful and much less expensive than specialty rehabilitation products. Writing utensil grips vary in color, sizes, shapes, and methods in which they are applied to pencils, pens, and markers. These grips are often foam cylinders (available as insulating foam for plumbing and found at hardware stores), triangles with holes for the utensil, balls, and specialty finger conforming grips.

These grips are available from most office supply stores, many book stores, and educational or learning shops (supplies for parents and teachers). Additionally, many grips can be custom made by modifying tennis balls (drilling hopes through them), ping pong balls, or other rubber balls found at local toy stores.

Product Name: Zoo Kit

Vendor: Mayer-Johnson Company

Cost: $29.00

The Zoo Kit is a group of materials designed for teaching basic language skills using the Picture Communication Symbols (PCS). The kit focuses on 53 zoo animal nouns, descriptors, and verbs. Included are either 44 or 88 stamps for each symbol, two decks of 54 playing cards with 2" versions of the picture symbol set, masters of duplicable worksheets, large stimulus cards to promote discussion of themes, suggestions for adapting materials, masters of symbols, and instructions for suggested activities.

Chapter 5

Electronic Communication and Writing Aids

This chapter contains dedicated electronic conversation and writing aids. Communication aids that have fewer than 32 distinct selections but offer voice output capacities were formerly listed in Chapter 3 (Training and Communication Initiation Aids) but are now included here. Software programs that work with computer systems for communication and computer/software packages that are designed specifically for communication are listed here. If you want to locate all of the products that are designed for communication, both electronic and non-electronic as well as products with other primary functions, look in Index 1 under the function "Conversation/Interaction."

Other related functions in Index 1 include: Conversation/Interaction (CI), Portable Writing (PW), Alternate Input to a Computer (TI or TW), Word Processing (WP), and Environmental Control (EC).

Several appendixes provide additional useful information. Appendix B lists Service Centers for Augmentative Communication and Computer Access; Appendix A lists Newsletters and Journals, Books and Pamphlets.

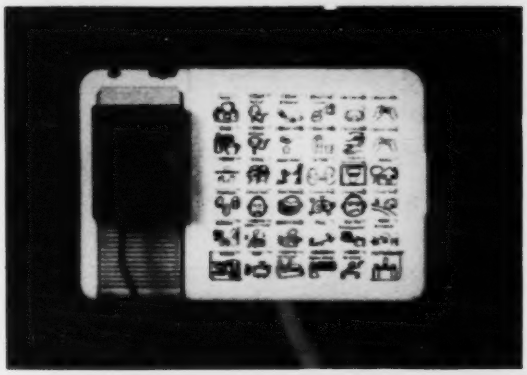
152

The following product entries appear in this chapter:

A.I.P.S. Wolf (Alternate Input Peripheral System), *117*
Able2Speak, *117*
Abovo PCD, *118*
ActionVoice, *118*
AlphaTalker, *119*
Attainment Fifteen Talker, *119*
Attainment Five Talker & Talker Plus, *120*
Attainment Two Talker, *120*
Audible Cursor Routine, *121*
AudScan II, *121*
BIGmack, *122*
BlackHawk, *122*
Canon Communicator CC-7S and CC-7P, *123*
CarryCom, *123*
Cheap Talk 4 & 8, *124*
Communication Programs, *124*
Companion 401 Communicator, *125*
Crespeaker, *125*
Crestalk, *126*
DAC, *126*
DeltaTalker, *127*
DigiTalk 1, *127*
DigiVox, *128*
Dvorak One-Hand Typewriter, *128*
DynaVox2 & DynaVox2c, *129*
DynaVox2 DOS & DynaVox2 Mac, *129*
EasyTalk, *130*
Electronic Speech Synthesizers, *130*
Equalizer, *131*
EvalPAC with RealVoice, *131*
Eyegaze Computer System, *132*
FingerFoniks, *132*
Gus! Multimedia Speech System, *133*
Handheld Computers and Personal Organizers, *133*
Handy Speech Communication Aide, *134*
Hawk, *134*
Heidico Intertalk, *135*
Help U Type and Speak, *135*
HyperBliss 3.2, *136*
I Can Speak, *136*
IntelliTalk, *137*
Liberator, *137*
LightWRITER SL35, *138*
LightWRITER SL5, *138*
LightWRITER SL85, *139*
Lingraphica, *139*
Lynx, *140*
Macaw Series, *140*
MegaWolf, *141*
MessageMate 20, *141*
MessageMate 40, *142*
Messenger, *142*
Meta4, *143*
Mini Talking Card Reader, *143*
Mini-MessageMate, *144*
Parrot, *144*
Pegasus, *145*
Personal Trainer, *145*
Picture Icon X-CHANGE, *146*
Polycom, *146*
ReadyScan, *147*
RealVoice, *147*
Say-It-All II Plus, *148*
Say-It-Simply Plus, *148*
Scan Com, *149*
Scan-It-All, *149*
ScanPAC, *150*
Scribe, *150*
Secretary, *151*
Shadow Talker, *151*
SpeakEasy, *152*
Speaking Dynamically, *152*
Specialist, *153*
Switch Module, *153*
Switchboard, *154*
System 2000, *154*
Talk Back III, *155*
Talk Back VI, *155*
Talk:About, *156*
Talking Screen, *156*
Talking Screen for Windows, *157*
Talking Switch Plates, *157*
TS2010X Text to Speech Personal Communicating Device, *158*
VisionKey, *158*
Vocal Assistant, *159*
VoiceBachs, *159*
VoicePal, *160*
VoicePal Plus, *160*
VOIS 160, *161*
WalkerTalker, *161*
WhisperWolf, *162*
Yak Bak, *162*

The following products from other chapters can also be used as Electronic Communication or Writing Aids:

Aurora 2.0 for DOS, *376*
Communilight 24, *37*
T-TAM Keyboard and Mouse Emulator, *463*



Product Name: A.I.P.S. Wolf (Alternate Input Peripheral System)

Vendor: Wayne County Regional Education Service Agency

Size: 14.5" x 10" x 2.75"

Weight: 2 lbs. 15 oz.

Power Source: Rechargeable batteries

Cost: $500.00

A.I.P.S. Wolf is a portable communication aid with synthesized voice output. The aid can be activated by using either the built-in touch panel or by selecting with up to nine single switches. The nine switch jacks are arranged to correspond with the touchpanel functions. The aid features four memory sections. The fixed memory section has a capacity of 500 words, the user section can store 800 words, and the other two sections can be left blank and extra fixed or user sections later added.

Switches are not included; switch jacks are standard 1/8" size. The optional WolfKey is available for $345.00 to allow access to computers for A.I.P.S. Wolf users.

Product Name: Able2Speak

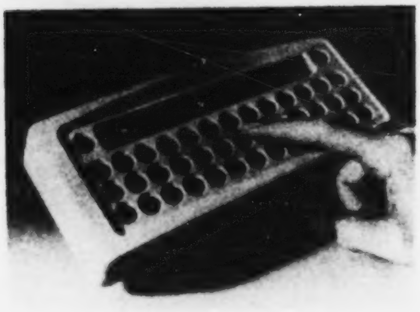
Vendor: Axis Corporation

Computer: IBM PC Family

Cost: $1,295.00

Able2Speak is a software program that allows a PC with Microsoft Windows to become an augmentative communication device. Able2Speak scans a screen of letters and words until the user interrupts it using a single switch (not included). The software features large, easy-to-read letters and a window which displays the phrase being entered and the five previous phrases. Able2Speak builds a database of words and phrases as it is used. A two-level menu system switches to a "help" screen so the user can communicate emergencies or other problems. The Windows Sound System is supported so the user can vocalize thoughts and all text is saved in an ASCII file so the program can be used for composing.

System requirements include a 386 or higher CPU with 4MB of RAM, 5MB of hard disk space, VGA graphics, and Microsoft Windows. Customized versions can be prepared for users with special needs.



Product Name: Abovo PCD

Vendor: D.C. & D., Inc.

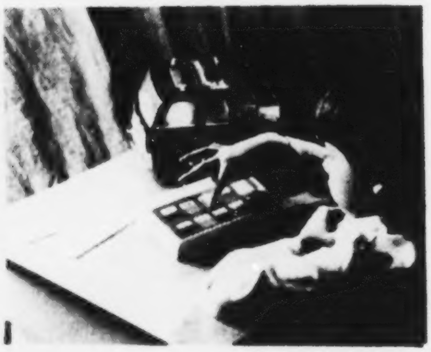
Size: 8.5" x 4" x 1.75"

Weight: Under 2 lbs.

Cost: $300.00 - $525.00

The Abovo PCD (Personal Communicating Device) is a portable electronic device designed for persons who wish to communicate through single finger typing. The alphabet keys are given in alphabetical order or in QWERTY style with numbers zero through nine beneath it. Messages are displayed on a 40 character LCD display on the surface of the device.

An optional remote display unit allows the PCD user to send a message by wireless infra-red signal up to 20 feet away, allowing for more natural communication. A multi-remote distribution unit is also available to connect up to eight remote displays for communicating with a group. The user can also interface and download the memory of the PCD to a personal computer with the optional PC wedge. Carrying cases and typing stands are optional. A built-in printer model is available ($525.00).



Product Name: ActionVoice

Vendor: Ability Research, Inc.

Size: 7.5" x 4" x 1.5"

Weight: 13 oz.

Power Source: 9V battery & AC

Cost: $399.00 - $595.00

ActionVoice is a combination voice recorder and switch controller. Messages can be recorded and accessed by the built-in keypad, external switches, single and dual switch scanning, or LightBoard. Two switch outputs allow the user to turn devices on or off, on for a time, or on for a desired number of times with any key. Other features include a built-in speaker, built-in microphone, auxillary audio input, and inlays.

Model 1 provides 10 messages and 60 seconds of total recording time. Model 2 provides 18 messages (on two levels), 120 seconds of total recording time, and auditory scanning.

Product Name: AlphaTalker

Vendor: Prentke Romich Company

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

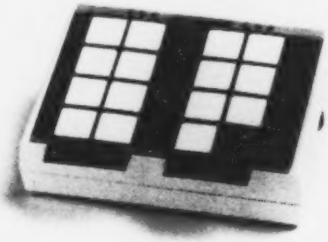
Size: 13.75" x 8.25" x 2.25"

Weight: 3 lbs.

Cost: $1,595.00

AlphaTalker is an electronic communication device with digitized speech output designed for users with limited communication needs, or as an introductory communication device, as an evaluation tool, or for someone with short-term speech loss. The device comes with a 32-location keyguard but can be configured with four or eight locations. Three minutes of standard or 5-1/4 minutes of extended speech are available. The messages are accessed through the keyboard, with a headpointer, or by scanning (switches and headpointer not included). AlphaTalker features icon prediction which causes icons that are sequenced with the selected icon to light up. Vocabulary can be stored to a computer disk and up to 32 commands can be sent to a computer through the AlphaTalker.

Available accessories include: optical headpointer, remote switch adapter, carrying case, carrying straps, operating kits to configure the device with four or eight locations, and a memory module to add up to 25 minutes of speech.



Product Name: Attainment Fifteen Talker

Vendor: Attainment Company

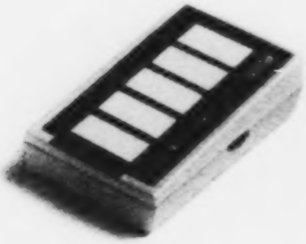
Weight: 13.3 oz.

Power Source: 9V battery

Cost: $429.00

Attainment Fifteen Talker is a communication and training aid that allows up to fifteen digitized speech messages of eight seconds each. Laminated inserts slide into two tranparent pockets and the messages are accessed by pressing the corresponding symbol. Volume is adjustable and the messages can be re-recorded as needed.

Laminated inserts, battery, and marking set are included. An optional Clip 'n Go canvas tote case with a transparent front and adjustable strap for attaching to the user's shoulder or waist is available for $49.00.



Product Name: Attainment Five Talker & Talker Plus

Vendor: Attainment Company

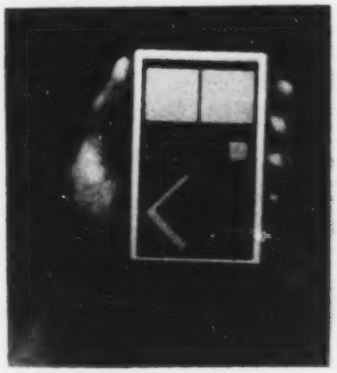
Size: 5.5" x 3" x 1.5"

Power Source: 9V battery

Cost: $229.00 - $329.00

The Attainment Five Talker is a communication and training aid which allows up to five different recorded messages. Laminated inserts that slide into a transparent sleeve are included and can be personalized for the individual user. Messages are accessed by pressing the corresponding message button. Other features include volume control and multifunction LEDs for visual cues during playback.

Laminated inserts, battery, protective case, and marking set are included. An optional Clip 'n Go canvas tote case with a transparent front and adjustable strap for attaching to the user's shoulder or waist is available for $35.00. The standard Talker features 32 seconds of memory and Attainment Five Talker Plus features two minutes of memory.



Product Name: Attainment Two Talker

Vendor: Attainment Company

Weight: 5.9 oz.

Power Source: 9V battery

Cost: $149.00

Attainment Two Talker is a communication aid and training device with digitized speech output. The device holds two messages for up to eight seconds each. Messages are accessed by pressing the corresponding symbol and can be re-recorded as needed. A battery and protective case are included.

Product Name: Audible Cursor Routine

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Audible Cursor Routine is a program for communication which employs auditory scanning. The user is presented with a selection of words or phrases spoken by a speech synthesizer and transmitted to the user via earphone. The user activates a switch when the program reaches the desired item. Once a selection is made, it automatically causes a sentence or preassigned speech to be spoken by a loudspeaker.

Audible Cursor Routine requires a speech synthesizer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: AudScan II

Vendor: Words+, Inc.

Computer: IBM PC Family, Toshiba Laptops

Cost: $1,395.00

AudScan II is a computer software program that allows a laptop computer to be used as an electronic communication aid with auditory scanning. Pressing the ESC key pops up a main menu; a letter corresponding to the desired menu option is then pressed. Four levels of scanning are provided. The top level is contexts, which are general categories (e.g., "Mealtime," "Television"). Up to 25 contexts may be set up; it is then possible to select only the ones needed at a given time. Below each context is a set of categories (e.g., appropriate categories under Mealtime would be "Food," "Drink," and "Cleanup"). The next level is Cue Words (which for Drink might be "Milk," "Coke," or "Juice"). Finally, Cue Words are used to select the spoken Phrase associated with that word--e.g., selecting Milk might elicit the sentence "May I have some milk, please?" Two, three, or all four levels may be used for any set of vocabulary. Different contexts may be set up and saved for different users. An on-line help feature is included, and a full-screen Exception Table is included under the Voice Menu.

Any serial port speech synthesizer may be used with AudScan II.

Product Name: BIGmack

Vendor: AbleNet, Inc.

Size: 5" diam., 2.25" high

Power Source: 9V battery

Connector Type: Mini-phone jack

Cost: $74.00

BIGmack is a self-contained switch and digitized voice output. The large surface works as a pressure input switch to activate a message up to 20 seconds long. One activation of the switch plays the entire message and must be activated again to repeat the message. Other features include a built in speaker, volume control, and quick message recording. In addition to the built-in switch surface, BIGmack has an external jack to accomodate any switch.

An optional mini-amplifier speaker system is available for use in especially noisy environments and sells for $25.00.

No Photograph Available

Product Name: BlackHawk

Vendor: Wayne County Regional Education Service Agency

Size: 9.5" x 6" x 1.75"

Weight: 1.5 lbs.

Cost: $650.00

BlackHawk is a voice output communication aid. The device offers four minutes of digital voice recording that is accessed through a soft-pressure membrane touch-panel. The touch-panel is arranged in a four by four matrix of one inch cells, with an additional four cell column for accessing each of four separate levels for a total of sixty-four messages. Other features include one button programming, tri-color LED feedback, built-in microphone, and memory protection if device is turned off. An input connector is included to attach the AIPS (not included) adapter for switch use.

An optional gridded attachment for aided finger pointing is available.

Product Name: Canon Communicator CC-7S and CC-7P

Vendor: Canon U.S.A., Inc.

Size: 7" x 4.19" x 1.44"

Weight: 17.7 oz. - 18.75 oz.

Power Source: Rechargeable battery

Connector Type: 1/8" phone plug

Cost: $850.00 - $1,100

Canon Communicator CC-7S and CC-7P are portable communication aids. The CC-7P uses a small keyboard for input and has a single-line strip printer for output. The CC-7S also uses the same keyboard and printer, but in addition offers the option of input through single-switch scanning and output through voice. The voice output allows up to 240 seconds total of pre-recorded (digitized) speech, segments of which can be stored for each of the 26 letter keys on the keyboard. Either model allows the user to store up to 7,000 characters worth of messages in memory. A message is recalled by pressing a key on the keyboard. Both models include a built-in calculator and an alarm buzzer key to signal for attention. Printing on the strip printer can be printed in an enlarged size (double width). Both Canon Communicators comes with "memory mates" picture stickers to allow the keys to be labeled for non-spellers.

Options include wheelchair attachment, arm belt, keyguard, saliva guard, external switch, cable for connecting external audio amplifier, and interface cable for transferring memory between Canon Communicators.

Product Name: CarryCom

Vendor: Great Talking Box Company

Computer: IBM PC Family

Size: 11.25" x 5.2" x 2.1"

Weight: 4 lbs., 1oz.

Cost: $3,619.00

CarryCom is a small, portable communication aid which has voice output and personal computer capabilities. The device has a small full-featured keyboard, LCD screen, RS-232 serial port, and printer ports. The output can be selected from male, female, or both voices. The user can input messages into the aid, view them on-screen, have them "spoken," and (when connected to a printer) print out messages. Input of messages is done through the keyboard or by scanning. The CarryCom can also act as a computer base with a word processor, spreadsheet, and calculator applications.

An optional eight letter scrolling screen (Message Sender) can be added to the back for $363.00.

No Photograph Available

Product Name: Cheap Talk 4 & 8

Vendor: Toys for Special Children, Inc.

Cost: $69.00 - $300.00

Cheap Talk is an electronic communication device with four or eight digitized voice messages of up to five seconds each. Symbols or words can be inserted over each square for each message.

Cheap Talk 4 is available as a direct activation model for $69.00 or $95.00 with jacks for attaching switches, as a scanning device with jacks for $150.00, and as a direct and scanning model for $250.00 or for $275.00 with jacks. In addition, the direct models are available with the squares arranged in inline style or square style. Cheap Talk 8 is available as a direct activation model for $135.00 or for $150.00 with jacks, as a scanning model with jacks for $200.00, and as a direct and scanning model for $250.00 or for $300.00 with jacks.

Product Name: Communication Programs

Vendor: Favin, David

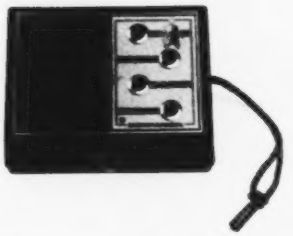
Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

These Communication Programs are designed to provide synthesized voice communication. There are two programs. The first is designed primarily for telephone communication. The user types messages on the computer keyboard and the synthesizer speaks them. The second program uses single switch scanning. Words are presented to the user in the form of a system of menus. A cursor moves through the choices and the user activates a switch when the cursor reaches the desired word. In this way the words can be selected to form sentences. The sentences can be spoken by the speech synthesizer or printed on a printer. The word menus can also contain environmental control commands.

A speech synthesizer is required for voice output. Contact the manufacturer for information on adapting the second program for environmental control. These programs were developed through the Telephone Pioneers of America, and are free to anyone interested.



Product Name: Companion 401 Communicator

Vendor: Luminaud, Inc.

Size: 5.3" x 4" x 2"

Weight: 12 oz.

Power Source: 9V battery

Cost: $125.00

The Companion 401 Communicator is a portable communication and training aid with digitized speech. The Communicator holds four phrases for a total message time of 20 seconds and can be programmed at any time. Battery failure will not result in lost messages. The messages can be activated by push buttons located on the unit or by external switches. The device has a jack for connection to phone with 911 Telephone Terminal (see entry).

No Photograph Available

Product Name: Crespeaker

Vendor: Crestwood Company

Size: 3.28" x 5.28" x 0.5"

Weight: 4.5 oz.

Power Source: 3 "AAA" batteries

Cost: $199.95

Crespeaker is a small handheld communication device with voice output that says the word, phrase, and sentence entered by the user on the integrated keyboard. Up to 100 characters or about 18 words can be entered and spoken at a time. The device speaks in English and Spanish and has the capability to translate a word from one language to the other. Other features include adjustable volume, screen brightness control, and built-in phrases. Crespeaker can be used to converse on the telephone.

Product Name: Crestalk

Vendor: Crestwood Company

Size: 3.5" x 8.25" x 1"

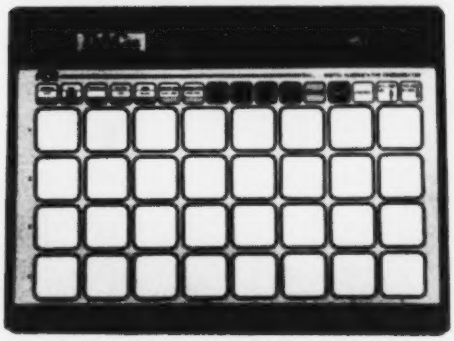
Weight: 9 oz.

Power Source: Batteries

Cost: $134.95

The Crestalk is a small and lightweight electronic communication aid. The user presses alphabetic or numeric keys to convey messages which appear in a small liquid crystal display. The display shows up to sixteen characters per line on a two line panel; longer messages will scroll. The aid has a 20K memory and sentences can be programmed into the device. The Crestalk has a full set of alphabetic keys and a functioning calculator feature. Crestalk does not have voice output.

The aid is battery operated; batteries are included which provide up to five months of continuous use. A carrying case is also included.



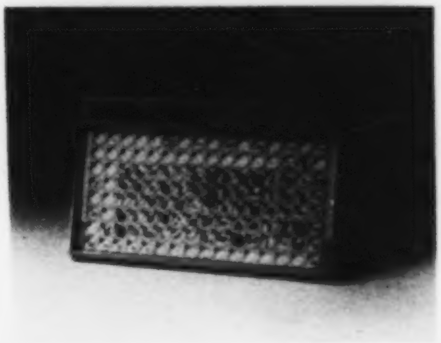
Product Name: DAC

Vendor: ACS Technologies, Inc.

Size: 11" x 13" x 2"

Cost: $3,295.00 - $3,995.00

The Digital Augmentative Communicator (DAC) is a programmable battery operated communication device with sound output. DAC has 128 keys which can be programmed with a word, phrase, or sentence. The size of the keys can be adjusted by programming each separately or joining several together. The device has memory for up to 8,000 words; the memory is divided into one, two, or four levels allowing access to programs stored on different levels. The information programmed into DAC can be accessed by using pictures and spelling. When the user makes a selection, the character, word, or phrase will be "spoken" and appear on the device's small display screen. Sound output must be programmed into the aid by recording a person's voice and storing it in DAC's memory. The aid is available with 18, 36, or 72 minutes of useable memory for sound output. DAC features a built-in 3 1/2" disk drive as well.



Product Name: DeltaTalker

Vendor: Prentke Romich Company

Size: 13.75" x 8.25" x 2.25"

Weight: 4 lbs.

Power Source: NiCad batteries

Cost: $4,995.00

DeltaTalker is an electronic communication device that offers both synthesized speech and digitized speech. The device has 128 locations but can be configured for 8 or 32 locations. Messages are accessed by pressing keys on the keyboard, through optical pointing, or by scanning (pointer and switches not included). Icon prediction is designed to promote learning of symbol sequences by lighting locations which can be sequenced with a selected icon. Other features include audible prompts and the ability to store vocabulary to a disk. An infrared option permits the user to operate TVs, VCRs, and other devices through the DeltaTalker.

Available accessories include: optical headpointer, carrying case and straps, operating kits to configure the device with 8 or 32 locations, and memory module to increase digitized speech to 14 minutes.

Product Name: DigiTalk 1

Vendor: Sentient Systems Technology, Inc.

Cost: $350.00

DigiTalk 1 is software for the DigiVox communication aid designed for individuals who are beginning to use augmentative communication tools. DigiTalk can be accessed through either direct selection or scanning. The program allows the user to take an active part in interactions on subjects such as needs, body parts, actions, mealtimes, feelings, colors, shapes, clothing, and nursery rhymes.

DigiTalk includes eleven disks which include over 400 audio messages, over 30 preprinted overlays, visual symbols for making custom overlays and messages, and a written tutorial. Use of DigiTalk requires a DigiVox and a DigiVox disk drive.

Product Name: DigiVox

Vendor: Sentient Systems Technology, Inc.

Size: 11.62" x 8.87" x 1.87"

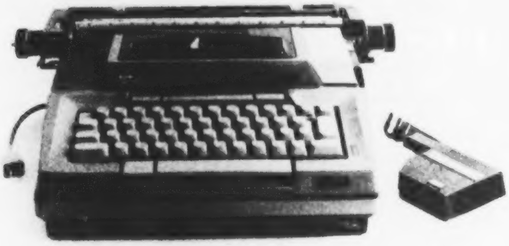
Weight: 3.8 lbs.

Power Source: Rechargeable batteries

Cost: $2,150.00 - $2,995.00

DigiVox is an electronic communication aid that records and saves spoken messages. The user may record variable message lengths. The device saves the phrases or sentences and plays them back using digitized speech. There are three methods to activate messages: direct selection, visual scanning, and auditory scanning.

The ability to load speech files onto a diskette using a disk drive is an available option. The price of Digivox depends on the length of recording time desired; four and one half, nine, thirteen, or eighteen minutes may be chosen. DigiTalk 1 (see entry) is optional software designed to train beginning individuals in the use of DigiVox.



Product Name: Dvorak One-Hand Typewriter

Vendor: Typewriting Institute for the Handicapped

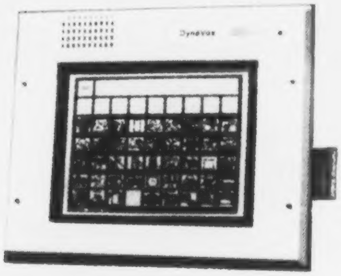
Weight: 49 lbs.

Power Source: 120V AC

Cost: $1,595.00

Dvorak One-Hand Typewriter is an IBM Correcting Selectric III with an altered keyboard layout. The layout used is the Dvorak one-hand layout, which distributes the typing load more evenly amongst the fingers of a one-handed typist than does the standard layout.

An optional device called Shift-Easy Bar is available (extra). Shift Easy Bar allows the typist to hold down the shift key with the thumb or palm while leaving the fingers in the home row.



Product Name: DynaVox2 & DynaVox2c

Vendor: Sentient Systems Technology, Inc.

Size: 11.75" x 9.5" x 4"

Weight: 6 lbs.

Power Source: Rechargeable battery

Cost: $4,995.00 - $7,995.00

DynaVox2 & DynaVox2c (Dynamic Voice Output Communication Aid) are electronic communication aids with changeable touch screen displays. The user can arrange symbols in any manner on the screen choosing from a built-in vocabulary. Symbols can represent one word or phrase; they also can act as "basic category displays" which enable the user to view an entire category by selecting one symbol. Once symbols are depressed on the touch screen they appear at the top of the display in order of choosing. When a pictorial "sentence" of symbols and appropriate text is complete, DynaVox2 "speaks" the message using DECtalk speech. The device has three keys which can be used to edit symbolic selections. Dynavox 2 units are available with either 8 MB or 20 MB memory.

DynaVox2 is a monochrome system and DynaVox2c is a color system.

Product Name: DynaVox2 DOS & DynaVox2 Mac

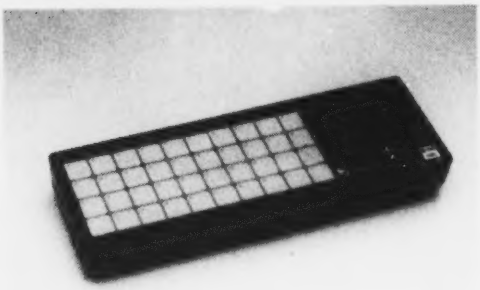
Vendor: Sentient Systems Technology, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $995.00

DynaVox2 DOS and DynaVox2 Mac are software programs designed to allow caretakers to program the DynaVox2 (see entry) without taking away the user's device. The software offers 2,600 symbols, an expanded page layout, "concept-tagged" vocabulary list, concept browser, expanded speech control and capabilities, page browser, user manager, and outcome reports. Once overlays are programmed on the computer screen, they can be saved and downloaded to the DynaVox2.

DynaVox2 DOS requires 4MB RAM and a 386 or higher. DynaVox2 Mac requires 8MB RAM and system 7.0 or higher.



Product Name: EasyTalk

Vendor: Great Talking Box Company

Size: 12" x 4.1" x 1.35"

Weight: 2 lbs., 1 oz.

Power Source: Rechargeable batteries

Cost: $995.00

The EasyTalk is a communication aid that uses digitized recordings to provide voice output. Six software controlled keyboard designs are possible and the same key can hold four messages allowing for a total of 160 messages. With up to 20 minutes of message capacity, each key can record a variable length message. Keyguards guide fingers into correct location and adjustable hold time can tune out unwanted selections. Other standard features include memory protection even if batteries are removed, built-in microphone, and multiple scanning options. The EasyTalk is available in blue, yellow, green, red or black.

No Photograph Available

Product Name: Electronic Speech Synthesizers

Vendor: National Institute for Rehabilitation Engineering

Power Source: AC or battery

Cost: $1,240.00 - $2,850.00

Electronic Speech Synthesizers are keyboard-operated electronic communication devices. The devices generate synthesized speech output; printed output may be generated as well. Available input configurations include: typing the entire word to be spoken, typing abbreviations which are then expanded by the system, and typing phonetic spellings. A variety of configurations are available in size, weight, keyboard, and operating features; contact manufacturer for further information.

Product Name: Equalizer

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $1,395.00

Equalizer is augmentative communication software that incorporates several strategies. A user-modifiable stored vocabulary provides up to 2,750 words. The five most frequently used word endings are provided and may be added to stored words to provide different forms. An adaptive word prediction feature "learns" the user's word patterns; after a word is selected, this feature presents the words most likely to then be used. Word processing and voice output capability are built in; a serial port text-to-speech speech synthesizer or SmoothTalker (extra) is required to use voice output. Access may be accomplished by using a single or dual switch, joystick, mouse, trackball, mouse-emulating pointer (all extra) or by using the arrow keys on the keypad of the computer keyboard. Calculator, drawing, music, and game software are included.

Equalizer works with IBM PC and compatible computers, including some portables. Contact manufacturer for information on purchasing a complete system, starting at $2,935.00, and on environmental control capabilities.

Product Name: EvalPAC with RealVoice

Vendor: ACS Technologies, Inc.

Computer: Apple IIe

Size: 14.75" x 8.5" x 1.75"

Weight: 8.5 lbs.

Cost: $4,395.00

The EvalPAC is a communication aid that has Adaptive Communication Systems' RealVoice built in. RealVoice is a full-featured, diphone-based voice synthesizer with more natural rhythm and intonation available in either male or female voice. The keyboard may be configured to adjust for user abilities. Additional features include: a text-to-speech capability permitting messages to be typed or selected and spoken or printed; an abbreviation expansion program allowing storage and recall of messages; capability of assigning voice output to single picture selection or picture sequencing of up to 5 symbols; adjustable time delays and volume control; and ability to store programs and vocabulary on tape. Fifteen memory levels are available. Memory capacity is 27,000 characters. The aid can be accessed by direct key, lightpointer, or switch input.

Options include environmental controls, alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.

Product Name: Eyegaze Computer System

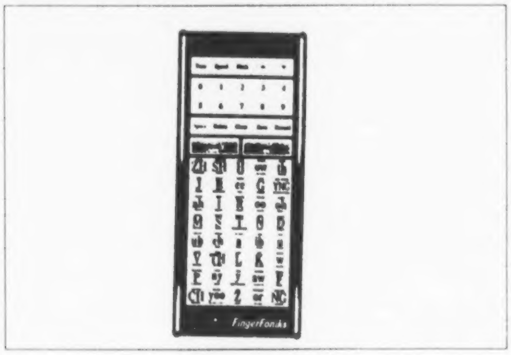
Vendor: LC Technologies, Inc.

Weight: 60 - 80 lbs.

Cost: $17,500.00-$25,000.00

The Eyegaze Computer System is a communication system that is controlled by the use of one eye. Nothing is attached to the user's body. Using a camera and an infrared light source, the computer interprets where the eye is focused on a computer screen. Various options (extra) permit the user to turn on lights and appliances, dial and receive telephone calls, and run IBM DOS-type software.

The Basic System ($17,500.00) includes Eyegaze tracking software, an applications software package, a 486 DX computer with a manual keyboard, 3.5" floppy disk drive, a 540 MB hard drive, an infrared-sensitive camera, two monitors, a surge protector, a monitor support arm, cables, connections, installation, training, and one year's support. Additional options include a speech synthesizer, Ink Jet Printer, programmable TV/VCR controller, an X-10 Powerhouse appliance controller for lights and appliances (see entry), speaker phone and modem, and a Second Computer Program with a T-TAM Interface to allow control of a second computer. A Transportable System is offered that allows the Eyegaze System to be used at two places with one portable computer. Contact the manufacturer for option pricing details.



Product Name: FingerFoniks

Vendor: Words+, Inc.

Cost: Contact manufacturer

FingerFoniks is a personal hand-held communication system that produces speech output by selecting phonemes directly from the keyboard and combining them into words and sentences. The user can have the phonemes played as they are selected to approach real-time conversational speech, or the user can store phonetic combinations and play them when the message is complete. An assortment of phonetic symbol sets, long-life rechargeable battery, illustrated user's manual, customizable voice style, and control of key accept time are also standard features of FingerFoniks.

One minute multi-message voice recorder, external interface to keyboard or computer, pitch controller for real-time inflection or singing, and carrying case are optional features.

Product Name: Gus! Multimedia Speech System

Vendor: Gus Communications, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $795.00

The Gus! Multimedia Speech System converts any Microsoft Windows compatible computer into a dynamic display augmentative communication system with digitized and synthetic speech. Any page can have 2 to 72 buttons and unlimited layers can be used. Speech can be in male or female voices and in English, French, German, and Spanish. The system also includes a talking keyboard with word prediction, sentence prediction, abbreviation expansion, and speech output; a speak clipboard that provides access to speech output from any Windows program; a home control program (requires X-10 modules, not included); a symbol selector program to add symbols or pictures to the sound buttons; an abbreviation program; and a Gus! Mouse that is also a switch interface.

System requirements include MS-DOS 3.1 or later, Microsoft Windows, 386SX or higher microprocessor, 8 MB of memory, 10 MB of hard disk space, one 3.5" high-density disk drive, VGA graphics card or compatible video and monitor, Microsoft Mouse or compatible, and Windows compatible sound device. A Gus! version of the Mayer-Johnson Symbol Set is available for $255.00.

No Photograph Available

Product Name: Handheld Computers and Personal Organizers

Vendor: Various (Generic Product)

Cost: Varies

Nonvocal individuals may require a simple device for typing messages that are intended to be read, either silently or aloud, by another person. Handheld computers and electronic personal organizers may fulfill this role: they are compact, lightweight, and include a variety of useful features, including ability to store phrases and check spelling. These devices can also be used as note takers for individuals who might have difficulty remembering things or whose handwriting is illegible.

Portable typewriters and handheld computers are available on the mass market in department stores, electronics stores, and bookstores at relatively low cost. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.

Product Name: Handy Speech Communication Aide

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

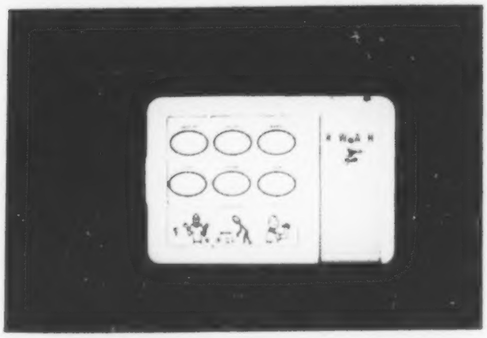
Size: 8.5" x 11"

Weight: 4 - 6 lbs.

Cost: $300.00 - $2,500.00

The Handy Speech Communication Aid is an electronic communication system that requires only basic reading skills and features voice output. The system consists of three components: software for the IBM PC or compatible, a speech synthesizer, and a laptop computer. The software can be customized to each user with onscreen editing. Other features include word prediction, "scanning by blocks", and logical letter coding designed to increase the speed of communication for physically challenged users. The system can be accessed by a keyboard, mouse, joystick, or any single switch.

English and Spanish versions are available. The complete system with the CCT synthesizer costs $2,500. For MultiVoice add $550.00. The software alone is $300.00 and can be used with the CCT synthesizer or with MultiVoice. CCT synthesizer costs $700.00. The system may be rented; contact manufacturer for details.



Product Name: Hawk

Vendor: Wayne County Regional Education Service Agency

Weight: 2 lbs., 11 oz.

Power Source: Rechargeable batteries

Cost: $250.00

Hawk is a Voice Output Communication Aid (VOCA) intended for training in early language situations and in specific IEP-related activities. The 7.5" x 7.5" membrane touch panel is divided into nine selection areas. A built-in microphone and simple record procedure facilitates the recording of up to five seconds worth of digital speech into each selection area.

Hawk is equipped with built-in rechargeable batteries and a wall adapter for overnight charging. Under normal usage, the Hawk should go from three to seven days on a single charge.

No Photograph Available

Product Name: Heidico Intertalk

Vendor: Heidico, Inc.

Cost: $69.95

Heidico Intertalk connects TDDs for direct private communication between hearing and non-hearing people. Up to five TDDs can be connected. Everything typed on one will immediately appear on the others.

Product Name: Help U Type and Speak

Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $595.00

Help U Type and Speak is a version of Help U Type (see entry) which also incorporates the ability to have complete sentences spoken via a text to speech converter. These sentences can be stored, or the user can form ad hoc sentences using words from the dictionary.

Product Name: HyperBliss 3.2

Vendor: Blissymbolics Communication International

Computer: Apple Macintosh Family

Cost: $100.00

HyperBliss 3.2 is a personalized communication program that enables Blissymbol users to access any currently approved Blissymbol by its component parts. HyperBliss learns the Bliss communication patterns of the user and then offers a prioritized list of potential Blissymbols. Users can choose from their own prioritized list of symbols and any word can be reassigned to the chosen Blissymbol with audio output. Other features include a teaching aid that prepares users for proficient use, an automatic scanning mechansim that facilitates one switch selection, a symbol-library, and desktop facilities to allow printing of symbol charts and Bliss dictionaries.

HyperBliss requires at least 1 MB RAM, a hard disk, and Macintalk. HyperBliss is not yet system 7.0 compatible.

Product Name: I Can Speak

Vendor: World Communications

Computer: IBM PC Family

Cost: $495.00

I Can Speak is a software program designed for augmentative communication with Microsoft Windows. The program combines pictures, text, and sentences. Sixteen groups or boards with 32 items each can be defined. Distinct icons and labels as well as a sentence can be assigned to each item within the main. The associated sentecne is spoken by selecting that item through multiple access methods such as mouse, trackball, and scanning with single switch or cursor keys. A library of 500 Mayer-Johnson PCS symbols is also available.

System requirements include: IBM PC running Windows, 4 MB free disk space, and an external text-to-speech synthesizer such as RealVoice or DecTalk.

Product Name: IntelliTalk

Vendor: IntelliTools, Inc.

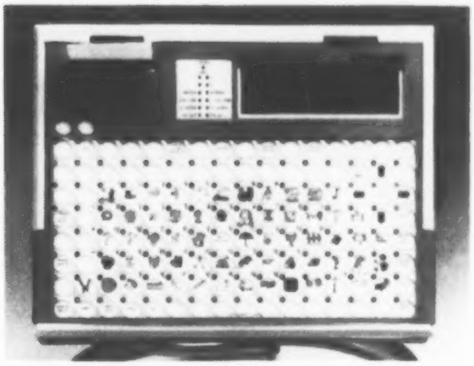
Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $39.95

IntelliTalk is a software program for writing and communication with voice output. The program will speak text as it is typed, review a piece of text in voice, change type size (and font, on the Macintosh version), save text and print text. The program can also be used with IntelliKeys and IntelliKeys Overlay Maker (see entries) to make voice-output communication boards.

The Macintosh version allows the user to choose from among 10 MacinTalk2 voices and comes with a built-in pronunciation editor. The IBM PC version is specifically designed for users who can't see the screen easily and works with popular sound cards including the Sound Blaster and Echo PCII. The Apple II version has all of the same features and works with the Echo speech synthesizer.



Product Name: Liberator

Vendor: Prentke Romich Company

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Size: 13.75" x 10.38" x 3.75"

Weight: 7.8 lbs.

Cost: $7,345.00 - $8,575.00

The Liberator is a portable, electronic communication device with 512K of memory. This product uses Minspeak so that symbols are used to represent words, sentences, or phrases. The user can select any symbol or set of symbols by pressing the keys with the appropriate icons on the Liberator's keyboard. An optional infrared pointer (extra) can also be used to select symbols. Selected words and sentences will be "spoken" using DECtalk speech; ten different age and gender appropriate voices can be chosen. Words are also shown on the 8-line back-lit display screen and can be printed on the built-in printer or an external printer. The device also features icon prediction; when an icon is selected, those icons that follow in established sequences light up. Direct Action software and the DIRECTOR allows the Liberator to become an environmental control system. Other features include: built-in calculator, scratch pad, notebooks, Minserts, and a built-in speech dictionary.

The Liberator consists of Minspeak software, DECtalk speech, printer, keyguard, battery charger, 7 overlays, icon sticker sheets, operator manuals, quick reference guide, and three vouchers for training.

Product Name: LightWRITER SL35

Vendor: Zygo Industries, Inc.

Size: 8.43" x 5.13" x 2"

Weight: 1 lb. 12 oz.

Power Source: Rechargeable batteries

Cost: $2,175.00

LightWRITER SL35 is a portable dual-display communication aid with optional speech output. The user types messages on the device's keyboard, and the messages appear on two displays: one facing the user and one facing the person being communicated with. The device has 7K of internal memory which can be used for abbreviation expansion: the user can type short abbreviations and the LightWRITER will display a full phrase. Two types of keyboard are available: a membrane type or raised rubber keys. Two keyboard layouts are also available: QWERTY or ABCDE. The LightWRITER SL35 is available with or without a built-in Dectalk speech synthesizer (the option is $1,595.00), and it can also drive an external speech synthesizer or a printer through its serial port. Four male, four female, and one child voices are offered.

Options include keyguard, carrying pouch, backlighted displays, remote displays, external speakers, and plug-in scan module.

HELLO HOW ARE YOU?

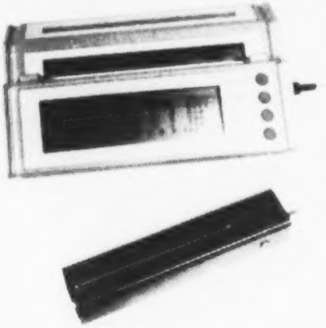
Product Name: LightWRITER SL5

Vendor: Zygo Industries, Inc.

Power Source: Rechargeable batteries

Cost: $895.00

LightWRITER SL5 is a portable dual-display communication aid. The user generates messages by typing on the device's keyboard, and messages appear on two displays: one facing the user and one facing the person being communicated with. Messages can be typed one letter at a time, or up to 36 messages can be stored and then recalled by pressing the "mem" key and then a particular letter. There is a choice of keyboard type: either flat membrane or raised rubber keys. There is also a choice of keyboard layout: either QWERTY or ABCDE. Keyguard is available as an option. Backlighted displays are also available.



Product Name: LightWRITER SL85

Vendor: Zygo Industries, Inc.

Size: 8.43" x 5.12" x 2"

Weight: 1 lb. 12 oz.

Power Source: Rechargeable batteries

Cost: $2,595.00

LightWRITER SL85 is a portable dual-display communication aid that uses switch input. The user composes messages by selecting letters with single-switch scanning. Messages appear on two displays: one facing the user and one facing the person being communicated with. Messages can also be spoken by an optional internal speech synthesizer ($1,595.00). The device has 7K of memory for abbreviation expansion. The SL85 displays the full alphabet in an array, and the user selects by row-column scanning. The SL85 comes with two low-force click switches, but any switches can be used. External keyboards for direct access and backlighted displays are standard features.

Options include carrying bag, remote display, and wheelchair mounting systems.

Product Name: Lingraphica

Vendor: Tolfa Corporation

Weight: 5.75 lbs.

Power Source: Rechargeable battery

Cost: $6,450.00

Lingraphica resides in a laptop computer. The device is a communication aide designed to help persons with severe aphasia. The user selects from among 2,000 pictures by using a trackball. Pictorial selections result in animation, text, and sound. Once messages are composed, they can be saved and retrieved. All pictures can be customized easily.

Lingraphica is available to patients, hospitals, and clinics for $6,450.00. Individuals who wish to purchase the aide have to obtain a physician's prescription to do so. Contact the manufacturer for ordering information. The device can also be rented or leased.

Product Name: Lynx

Vendor: Wayne County Regional Education Service Agency

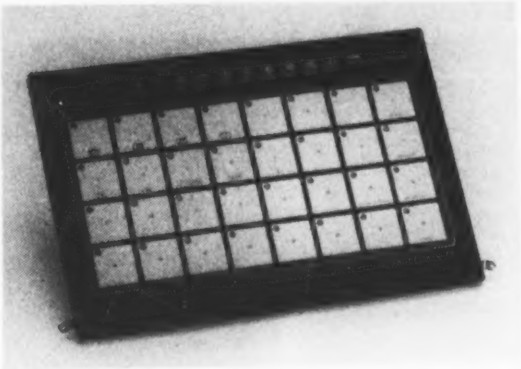
Power Source: Rechargeable batteries

Connector Type: 1/8" jack

Cost: $250.00

Lynx is a Voice Output Communication Aid (VOCA) designed for a variety of functions. The four digitized voice messages of up to four seconds each can be programmed by speaking into the integrated microphone and quickly changed for specific occasions. Activation is through snap-action membrane switches on the front panel, with provision for inserting a 1" x 1.5" symbol over each key.

Lynx was designed with a compact size for use as a portable communication aid for ambulatory students in school-context tasks and community-based interactions. Four jacks are included to allow a single switch to be paired with each message for use as a table-top device for low cognitive students. In addition, each switch has a corresponding relay output for attachment to a switch-adapted toy or appliance. Lynx can also be put into scanning mode for physically impaired students with feedback provided by red LED lamps paired with the symbol overlay. For assessing and training, Lynx's visual scanning can be enhanced with auditory scanning.



Product Name: Macaw Series

Vendor: Zygo Industries, Inc.

Size: 11.5" x 7.75" x 2.5"

Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $1,245.00 - $4,995.00

The MACAW series of portable communication aids uses digital recording and playback. Messages may be accessed either directly through the keyboard or by using visual and/or auditory scanning with external switches. The standard keyboard configurations are 32-keys or 128-keys and either can be configured to as few as one large key. The keys may contain individual messages and may be key-linked for more. Units vary to include as many as 32 levels for individual and/or key-linked messages, and internal hard-disks to contain over 13 hours of recording time. Controllable features include quick copying of recorded messages from key to key, and Key-Link which permits up to 80 sequential selections to determine spoken messages.

Options include memory modules, keyguards, enlarged-key keyboards, full color key labels, and mounting systems. Contact manufacturer for further information.

Product Name: MegaWolf

Vendor: Wayne County Regional Education Service Agency

Size: 14.5" x 10" x 1.75"

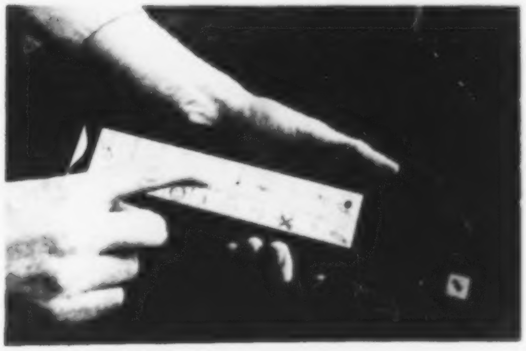
Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $400.00

MegaWolf is a portable communication aid with synthesized voice output. The user presses touch sensitive keys on the surface to make selections. Four memory sections are provided for the storage of words and phrases. The Fixed Section, which has a maximum capacity of 500 words organizable into up to 36 levels, is programmed by the manufacturer either per user custom specifications or with WOLF Curriculum Activity Packages (WOLFCAPS). The User Section has a capacity of approximately 800 words, organizable into as many as 36 levels, and is programmable by the user via either a 400-word "dictionary" of preprogrammed entries or a "phoneme page." The two additional memory sections can be left blank for extra User Sections or used as extra Fixed Sections with additional programmed vocabulary (WOLFCAPS).

Additional WOLFCAPS are $30.00 each. The optional WolfKey is also available for $345.00 to allow MegaWolf users to have access to computer software written for a variety of input modes. An auditory scanning version of the Wolf (Whisper Wolf) and a switch operated version (A.I.P.S. Wolf) are also available (see separate entries).



Product Name: MessageMate 20

Vendor: Words+, Inc.

Size: 11.74" x 3" x 1.25"

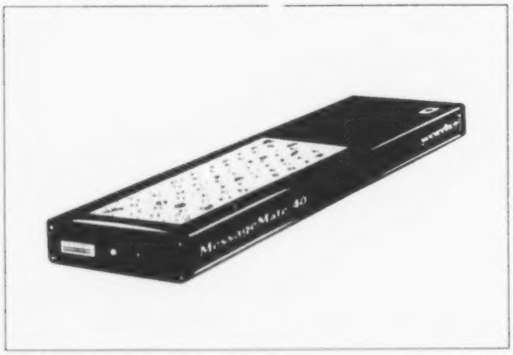
Weight: 1.5 lbs.

Power Source: Rechargeable battery

Cost: $499.00

MessageMate 20 is a voice output communication aid with digitized speech output. The user selects a message by pressing one of the 3/4" squares on the surface of the device or by scanning with a single switch. There is no ability to type unique phrases and have them spoken (text-to-speech). Scanning can be done in a linear fashion or row-column, with one or two switches. Scan rate can be adjusted from 1/4th of a second to 8 seconds per step and there is a choice of four different accept times (time a choice must be held before the device accepts it). Scanning can be silent or accompanied by an audible click.

The 20-key models are available with 20 seconds, 40 seconds, 60 seconds or 120 seconds of total message time. Keyguard, carrying case, and message stickers are options.



Product Name: MessageMate 40

Vendor: Words+, Inc.

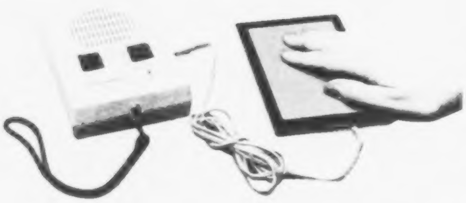
Size: 11.75" x 4" x 1.25"

Power Source: Rechargeable batteries

Cost: Contact manufacturer

MessageMate 40 is a voice output communication aid with digitized speech output. The user selects a message by pressing one of the 3/4" squares on the surface of the device or by scanning with a single switch. There is no ability to type unique phrases and have them spoken. Scanning can be done in a linear fashion or row-column, with one or two switches. Scan rate can be adjusted from 1/4th of a second to 8 seconds per step and there is a choice of four different accept times (time a choice must be held before the device accepts it). In addition, the scanning LEDs are inside the area of each key rather than next to it.

The 40-key models are available with 60, 120, or 240 seconds of message time. Keyguard, carrying case, and message stickers are options.



Product Name: Messenger

Vendor: Crestwood Company

Size: 5" x 4" x 1.5"

Weight: 6 oz.

Power Source: 9V battery

Connector Type: 1/8" phone jack

Cost: $92.95

The Messenger is a portable communication and training aid that enables nonverbal children and adults to carry a message up to 20 seconds long with them. The message is easy to change and can reprogram instantly. The Messenger comes adapted for switch use but can be used without a switch as well.

The Messenger alone costs $92.95. The Messenger with a Jumbo Plate Switch (see entry) costs $154.95.

Product Name: Meta4

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $495.00

Meta4 is augmentative communication software that turns any PC into a personalized conversation tool. Meta4 is designed for individuals with perceptual and/or physical difficulties in addition to severe speech impairments. The program accepts input from a joystick, touch tablet, single switch, mouse, mouse emulator and others. Output is to a speech synthesizer or printer. The flexible page display can be manipulated to customize for a wide range of abilities.

I want a peanut butter sandwich.

Product Name: Mini Talking Card Reader

Vendor: Crestwood Company

Size: 6" x 5" x 2"

Weight: 14 oz.

Power Source: 4 "AA" batteries

Cost: $69.95

Mini Talking Card Reader is a hand-held device that records and plays back strips of audio tape attached to cards. Audio tape with adhesive backing is placed on a card, photo, etc. The card is then placed in a slot of the Reader, which can either record or play back the tape's contents. Two seconds of sound fit on each inch of applied tape. Applications include answering the phone (introductory and emergency messages), relaying a small set of messages, calling for help, and as a therapy tool to help improve auditory, pre-reading, language, and speech skills.

The cost includes one Talking Card Reader, 180 inches of Talk Tape, 25 blank cards, and 4 AA batteries. Additional Talk Tape is available in 500 inch lengths at $13.95, extra cards are available in a package of 50 at $9.95, and a vinyl case is available for $9.95.

No Photograph Available

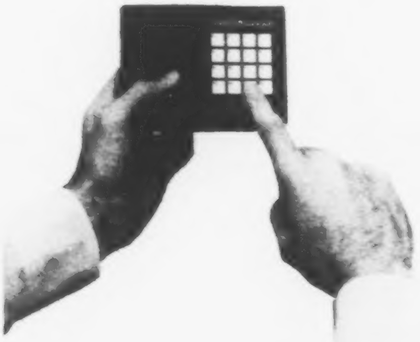
Product Name: Mini-MessageMate

Vendor: Words+, Inc.

Cost: $299.00 - $349.00

Mini-MessageMate is a hand-held communication device with digital speech output. Eight messages can be recorded and played back by pressing the corresponding symbol on the device or through eight external single switches.

Two models are available: Mini-MessageMate 8/16 ($299.00) has two seconds of record time per key for a total of 16 seconds. Mini-MessageMate 8/48 ($349.00) has six seconds of record time per key for a total of 48 seconds.



Product Name: Parrot

Vendor: Zygo Industries, Inc.

Size: 5.25" x 4" x 1.5"

Weight: 13 oz.

Power Source: Rechargeable batteries

Cost: $750.00 - $850.00

The Zygo Parrot is a communication aid that uses digitized recordings to provide voice output. The recorder/playback unit has enough recording time for 16 brief messages. A built-in microphone and neckstrap are provided.

The basic Parrot is priced at $750.00. The Parrot-JK, which sells for $850.00, provides for external connection to individual switches or scanning systems.

No Photograph Available

Product Name: Pegasus

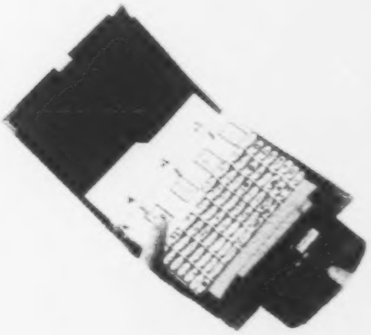
Vendor: Words+, Inc.

Size: 12" x 13" x 5"

Weight: 11 - 12 lbs.

Cost: $7,995.00

Pegasus is a computer-based, integrated augmentative communication system with speech output through a built-in DECtalk synthesizer. The device features a dynamic 256-color LCD display, a built-in TouchWindow, CD-quality stereo sound, infrared environmental control, a 486/66 MHz processor, 256K cache memory for extra speed, 8MB of RAM, 350MB hard disk, CD-ROM drive, Microsoft Windows 3.1 capabilities, external keyboard, and an external floppy disk drive. When combined with Talking Screen for Windows (see entry), Pegasus provides color photographs, stereo sound, and full-motion video with sound. Thousands of color symbols, including Mayer-Johnson's, Blissymbols, and Imaginart's, can be accessed and custom symbols or photographs can be imported.



Product Name: Personal Trainer

Vendor: TIGER Communication System, Inc.

Size: 9" x 8" x 2"

Weight: 4 lbs.

Power Source: 4 "AAA" batteries or AC

Cost: $150.00

The Personal Trainer combines a picture communication book with a voice output keyboard. TIGER Communication System's PEACEbook picture binder comprises 64 color-coded laminated pages with line drawings and upper-case captions. The Bookman MWS-840 compact electronic voice output keyboard by Franklin Electronic Publishers provides single-word voice output. The MWS-840 fits inside the Peacebook by means of a flexible hinge which allows it to fold out for use and in for protected portability. Close proximity between the pictures' captions and the keyboard itself encourage the user to develop spelling skills. The user refers to the caption and types in the word letter-by-letter followed by voice output from the MWS-840. The MWS-840 does not need specialized Bookman cartridges.

A keyguard for the MWS-840 is available from TIGER Communication Systems, Inc.

Product Name: Picture Icon X-CHANGE

Vendor: Academic Software, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Picture Icon X-CHANGE is a utility program that provides access to thousands of picture icons in sizes and formats needed by authoring programs such as AppleWorks GS, HyperCard GS, HyperStudio, LessonMaker (Edmark), PowerPad Toolkit (Dunamis), TutorTech (Techware), Worksheet Generator and Breakthrough to Writing (both Creative Learning), and other similar software packages. Picture icons are stored in specially-formatted picture libraries which are sold separately. Graphics can be selected from a library and viewed individuall in full-size or in groups; then resized and/or inverted and saved automatically on disk in a variety of formats and resolutions.

Picture Icon X-CHANGE requires at least one graphic library and a system with two 5-1/4" disk drives, a combination of 3-1/2" and 5-1/4" disk drives, or a hard disk.

Product Name: Polycom

Vendor: Zygo Industries, Inc.

Cost: $2,995.00 - $6,495.00

Polycom is battery-operated electronic communication aid which has simple word processing functions and telecommunication capabilities. The device has a keyboard which requires only one hand for input. A display screen, which has five lines and can show up to 100 characters simultaneously, allows the user to make choices from a menu. Polycom can act as a simple word processor and as an electric writing pad. The device has a phrase memory which stores short phrases and sentences which can be recalled using two keys. By using a coupling device (extra), Polycom can be used as a portable text telephone, sending communications over push button telephones and computers.

Prices vary according to equipment options: Polycom alone costs $2,995.00; with Polytalk and American English the price is $5,995.00; with Polytalk, American English, and one other language the cost is $6,495.00.

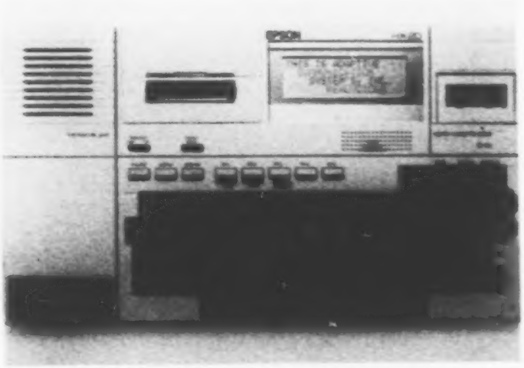
No Photograph Available

Product Name: ReadyScan

Vendor: SPECTECH

Cost: Contact manufacturer

ReadyScan is a portable input device that allows the user to type, save, edit, and retrieve documents through any single switch. The user scans the alphabet and selects letters to compose messages. Up to 10 pages of text, or 8K, can be stored. The device features a four line, 40 character display and can be connected to a printer.



Product Name: RealVoice

Vendor: ACS Technologies, Inc.

Size: 14.75" x 8.5" x 1.75"

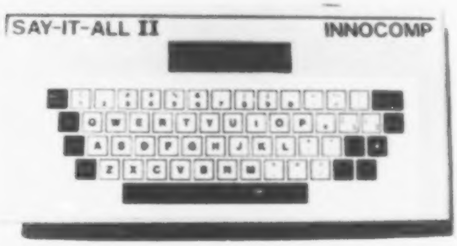
Weight: 6 lbs.

Power Source: Rechargeable batteries

Cost: $3,295.00

The RealVoice is a portable communication aid. Built into the RealVoice aid is a full-featured, diphone-based speech synthesizer with natural-sounding rhythm and intonation available in either male or female voice. Additional features include: a text-to-speech capability permitting messages to be typed and spoken or printed; an abbreviation expansion program allowing storage and recall of messages; adjustable time delays and volume control; and ability to store programs and vocabulary on tape. The memory capacity is 27,000 characters.

Options include environmental controls, Memkey alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.



Product Name: Say-It-All II Plus

Vendor: Innocomp

Size: 15" x 7" x 1.5"

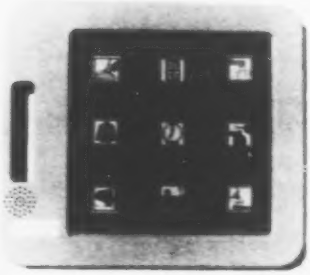
Weight: 2.25 lbs.

Power Source: Rechargeable battery

Cost: $1,995.00

Say-It-All II Plus is a portable communication aid with synthesized voice output. The user types words or phrases on the Say-It-All's membrane keyboard. These words or phrases are then converted to correct English phonetic pronunciation and spoken by a built-in speech synthesizer. The user can change the pitch of the voice from low to high. Messages can be sent to a printer or computer via a built-in RS232 serial port. The surface of the keyboard is flat, seamless and moisture-proof. Up to 846 whole words or phrases may be stored and recalled. The user stores phrases by spelling them out, and recalls them by pressing a few keys. Overlays containing words, symbols or pictures can be created and placed on the keyboard to show the location of vocabulary items. MSL II software (included) allows phrases to be stored on levels or pages.

The Say-It-All II Plus includes manual, battery charger, liquid crystal display, nine overlays, and Touch 'N Talk Micro Communication Stickers. Options include a keyguard, overlays and stickers, external printer, Clarity male/female speech synthesizer, IBM-compatible Voc-Load software, and CARE software with abbreviation expansion, semantic compaction, and logical letter coding capabilities.



Product Name: Say-It-Simply Plus

Vendor: Innocomp

Size: 19" x 17" x 1.5"

Weight: Under 5 lbs.

Power Source: Rechargeable battery

Cost: $1,995.00

Say-It-Simply Plus is a portable communication aid with synthesized voice output and a user-definable keyboard area. The keyboard of the Say-It-Simply is a 12" x 12" membrane surface. The user can define how many areas this keyboard is divided into, from one to 144 areas. Particular vocabulary can be programmed for each area. When that area is pressed, the programmed word or phrase is spoken by a built-in speech synthesizer. Multiple vocabularies (up to 28) can be created and stored, with a total capacity of 762 words or phrases. Overlays can be created for different vocabulary sets. The voice pitch may be changed from low to high. MSL II software (included) permits phrases to be stored in levels. A built-in RS 232 serial port allows the device to be attached to a printer or computer.

Say-It-Simply Plus includes a manual, battery charger, instructional overlay with attached frame, set of five overlays, and Pick 'N Stick Color Pack Communication Stickers (see entry). Options include keyguards, additional overlays, overlays with frames, and stickers, an external printer, and Clarity - a speech synthesizer that permits choice of male and female. Say-It-Simply Plus can be purchased with DECtalk for $3,495.00.

Product Name: Scan Com

Vendor: Med Labs, Inc.

Size: 9.5" x 6.3" x 1.5"

Weight: 1.5 lbs.

Power Source: 120V AC

Cost: $1,600.00 - $2,620.00

Scan Com is a device which uses single switch input to type messages on television screens or computer monitors. The device automatically scans its main menu on-screen until the user activates a single switch device (extra) to select the desired menu item when it is highlighted. The screen then displays a sub-menu. Sub-menus can scan three types of items: previously stored messages, an alphabet board to "type" a new message, and commands which allow the user to go to another menu, edit, store, recall a message, and control system functions like scan rate. The unit can also decode Morse Code messages. English or Spanish languages are selectable.

Scan Com accepts a variety of single switch input devices including breath control, tilt, and bite-or-puff. There are four available models: Scan Com-B (basic), Scan Com-P (portable), Scan Com-S (speech), and Scan Com-PS (portable and speech). With optional Environmental and Entertainment Control, Scan Com can turn on and off AC powered lamps, fans, etc. and fully control a TV and VCR. The starting price for Scan Com is $1,160.00, contact the manufacturer for further price information.

Product Name: Scan-It-All

Vendor: Innocomp

Size: 19" x 9.25" x 2.38"

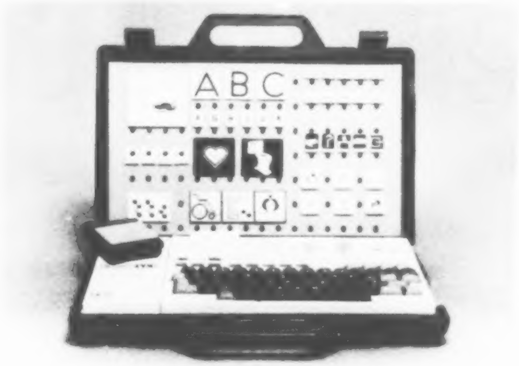
Weight: Under 5 lbs.

Power Source: Rechargeable batteries

Cost: $3,495.00

Scan-It-All is an electronic communication aid with voice output. The device accepts most single switches and allows for several scanning modes including vertical or horizontal element scanning, row-column scanning, column-row scanning, and segment scanning. The surface of the aid is divided into one inch squares which have lights on all four corners; the lights provide the user with visual feedback during scanning. Once the user has made a selection, the selected phrase is "spoken" using Clarity Speech; it also appears in a small liquid crystal display at the top of the device. Scanning speed is adjustable. Scan-It-All can be used with a head pointed laser beam for direct selection as well. The device features an automatic turn off timer which can be set for one to sixty minutes.

Scan-It-All includes keyboard for direct select programming, laser light pointer, set of eight overlays, Imaginart Touch 'n Talk micros, charger, and manual. Software which allows storage of up to 800 phrases in Scan-It-All is included.



Product Name: ScanPAC

Vendor: ACS Technologies, Inc.

Size: 14.75" x 8.5" x 1.75"

Weight: 8.5 lbs.

Power Source: Rechargeable batteries

Cost: $3,995.00

The ScanPAC is a portable communication aid. Built in to the ScanPAC is Adaptive Communication Systems' RealVoice, a full-featured, dipthone-based voice synthesizer with more natural rhythm and intonation available in either male or female voice. The keyboard may be configured to adjust for user abilities. Additional features include a text-to-speech capability permitting messages to be typed or selected and spoken or printed, an abbreviation expansion program allowing storage and recall of messages, and capability of assigning voice output to single picture selection or picture sequencing of up to 5 symbols. Fifteen memory levels are available. Storage capability is 27,000 characters and activated through direct key or switch input.

Options include environmental controls, alternative keyboards, and wheelchair mounting systems; contact manufacturer for details.

Product Name: Scribe

Vendor: Zygo Industries, Inc.

Size: 9.63" x 6" x 1.88"

Weight: 28 oz.

Power Source: Rechargeable batteries

Cost: $1,450.00

Scribe (formerly Q.E.D. Scribe) is a communication aid with printed output. The user types messages on the device's alphanumeric keyboard. The message appears on a 24-character LCD display, and once the message is composed it can be printed on the built-in printer. Messages can be up to 240 characters long before they are printed. The user can store up to 26 messages of up to 55 characters apiece. A stored message can be recalled by pressing two keys. Both upper and lower case letters can be typed and printed. The keyboard has a membrane surface with built-in keyguard, and pressing the keys produces audible feedback. The on and off switches are also keys. The Scribe has a timed automatic shut-off feature.

Product Name: Secretary

Vendor: Zygo Industries, Inc.

Size: 9.63" x 6" x 1.88"

Weight: 2 lbs.

Power Source: Rechargeable batteries

Cost: $2,295.00

Secretary is a portable writing-talking communication aid. The aid has digitized recording capabilities plus text writing and message storing capabilities. The speech recorder/playback unit is able to store up to 10 brief messages. The keyboard is available with American, British, or Swedish characters; optional versions are available with keyboards for other languages. A microphone is built in; connections are provided for use of external microphones and speakers. The membrane keypad is color coded and has a keyguard. A carrying handle is included.

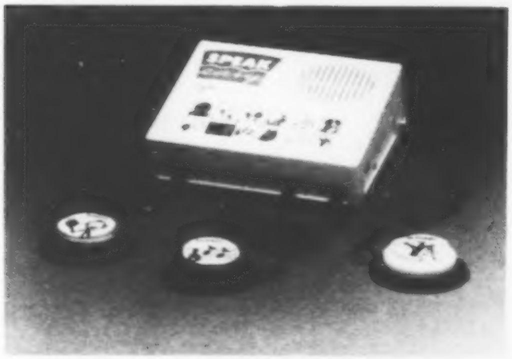
No Photograph Available

Product Name: Shadow Talker

Vendor: Toys for Special Children, Inc.

Cost: $110.00

The Shadow Talker is a communication aid for a user who has difficulty activating devices by pressing. Any body movement that creates a shadow over one of the four stations will activate a pre-recorded message of up to five seconds. Each station has a slot to accomodate pictures or words that correspond to the message.



Product Name: SpeakEasy

Vendor: AbleNet, Inc.

Size: 8" x 6" x 3"

Weight: Under 3 lbs.

Power Source: Battery or AC

Cost: $365.00

SpeakEasy is an augmentative voice output communication aid that can store and playback recorded messages. Up to twelve messages may be recorded on the device's digital sound chip. These messages are retrieved by pressing the corresponding symbol on the twelve-key membrane keyboard that is built-in to the device. Symbols may be changed in accordance with message changes. Stored messages may also be retrieved through single switch input; there are twelve switch input jacks to correspond with the stored messages and the membrane keys.

SpeakEasy is splash-resistant and comes with a detachable shoulder strap. The aid uses either built-in battery or AC adapter (both included).

Product Name: Speaking Dynamically

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Family

Cost: $299.00

Speaking Dynamically is a software program for making customized, multi-level, picture or word communication boards with speech output. Speech output is provided by using recorded speech, Macintalk, MultiVoice, or the Infovox (speech synthesizers). The user designs the activities and decides what actions will happen when a picture is selected. Selecting a picture can make it talk, change screens, or talk and change screens. The final result is a dynamic changing display of multiple screens. A picture may be selected using many different access methods. Using the Speaking Dynamically program in conjunction with Boardmaker (see entry) program provides access to the Picture Communication Symbols in the PCS books I, II, and III. For text users, Speaking Dynamically also utilizes on screen keyboards, word prediction, and abbreviation expansion.

No Photograph Available

Product Name: Specialist

Vendor: TIGER Communication System, Inc.

Size: Book: 9" x 8" x 2"; keyboard: 6" x 5.5" x .75"

Cost: $585.00

The Specialist is a picture communication book with a fold-out electronic voice output keyboard. The book is a three-ring binder with 66 laminated pages of color-coded symbols with corresponding words. The pages themselves, which can be removed from the binder, can be used as a direct communication aid. The fold-out keyboard (the Franklin LM 6000-SE) can also be used for communication: it produces sentence-length digitized speech with a set vocabulary (110,000 words) and also allows unique messages to be typed and then spoken with synthesized speech. The device can also read words aloud, spell words aloud and pronounce words syllable by syllable. Up to 26 unique messages can be pre-stored for quick speech. The device displays messages in large print (1/4" inch high) on its screen. Menu options allow tailoring of character display and voice output to meet individual needs.

The voice-output keyboard device is also available separately for $490.00. An optional keyguard costs $30.00, a keyboard pouch costs $25.00, and a portable binder costs $30.00.

No Photograph Available

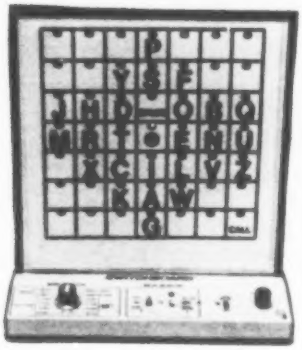
Product Name: Switch Module

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone jacks

Cost: $45.00 - $100.00

Switch Module is a self-contained 20 second recorder-talker that accepts switches to activate the messages. Either four or eight messages are available.



Product Name: Switchboard

Vendor: Zygo Industries, Inc.

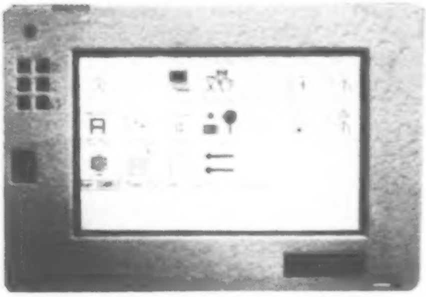
Size: 17" x 16" x 8"

Weight: 4 lbs.

Power Source: 120V AC

Cost: $1,745.00

Switchboard is a row-and-column scanning communication aid that can be be configured with 4, 12, 16, 28, or 49 positions. Selections can be made in the four-position configuration by direct selection using four switches. Automatic and manual scanning work in 4, 12, 16, and 28 positions. Row-and-column scanning and directed scanning work in the 49-position mode exclusively. Automatic scanning can use one or two switches (forward or backward) and has a rate adjustable from 0 to 42 seconds to over a minute. In manual scanning, two switches are used to move the light forward or backward one position at a time; a third switch indicates selection. In row-and-column scanning, a single switch is used to scan row, then column, then selection. In cursor control, the user can scan in either of two directions (with two switches) or in any of four directions (with four switches or a joystick). The user can also scan in a circular pattern, in automatic and manual scanning modes only.



Product Name: System 2000

Vendor: Words+, Inc.

Size: 12.4" x 8.6" x 1.6"

Weight: 6 lbs. - 7.5 lbs.

Power Source: Rechargeable battery

Cost: $4,995.00 - $6,995.00

System 2000 is a portable electronic communication aid with a changeable display touch screen. The device displays words or picture symbols on its screen and the user touches the desired symbol to communicate a message. Messages can also be selected with switches, using scanning or Morse code. System 2000 can speak with a synthesized voice (allowing unique messages to be spelled out and spoken) and digitized speech (allowing words or sounds to be recorded and then played back). System 2000 can be used with "Talking Screen" software, which presents sets of picture/word vocabulary choices on the screen. Levels of vocabulary can be selected from screen, in which case the display changes to show the vocabulary items at that level. Levels, symbols, and vocabulary can be customized for each user. System 2000 can also be used with "E Z Keys" software, in which vocabulary is presented in alphabetic form and the user can accelerate their typing rate using either abbreviation expansion or word prediction.

System 2000 is available with 8 MB of RAM, with a 320 MB or larger hard drive, and VocaLite or MultiVoice synthesizer. A total of 2-6 hours of digitized sound can be stored for playback.

No Photograph Available

Product Name: Talk Back III

Vendor: Crestwood Company

Weight: 1.5 lbs.

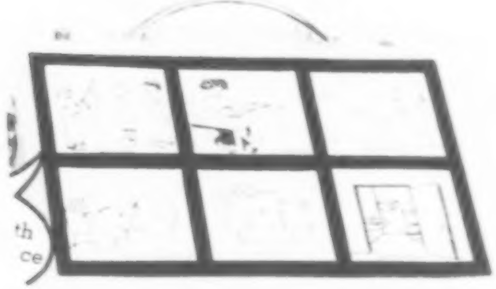
Power Source: 9V battery

Connector Type: 1/8" phone jack

Cost: $274.95 - $379.90

The Talk Back III is a communication aid with three messages for a total of 20 seconds. Messages can be activated by lightly pressing one of the three colored buttons or through any external switch (not included). The Talk Back III has a built in microphone allowing for re-recording of the messages. Other features include a shelf to hold three corresponding pictures, a carrying handle, and message protection in the case of battery failure.

Talk Back III alone costs $274.95. Talk Back II with a control center switch costs $379.90.



Product Name: Talk Back VI

Vendor: Crestwood Company

Size: 8.28" x 8"

Weight: 2.5 lbs.

Power Source: 6 "AA" batteries

Cost: $395.00

Talk Back VI is a communication aid and training device with digitized speech output. Up to six individual messages can be recorded for a total of 60 seconds. Messages are accessed by pressing the corresponding picture attached to a 2 1/4" square on the device. Other features include a built in microphone, volume control, included batteries, and memory protection in case of power failure. Six inserts on which pictures or words are mounted and inserted into pockets are also included.

A package of six extra inserts is available for $12.50.

Product Name: Talk:About

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $490.00

Talk:About is a Macintosh based software communication aid designed to let individuals who are nonspeaking participate in conversational communication. Talk:About offers text-to-speech output or digitized voices and also works with external speech synthesizers. Through features called Quick:Chat, Story:Talk, and Story:Panel, the user can quickly greet others, begin a conversation, use previous stories, create new novel communication, and wrap up a conversation.

Product Name: Talking Screen

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $1,395.00

Talking Screen is a software program designed to be used as a direct selection communication system. The user or clinician may configure the on-screen picture display and determine the message linked to each picture or sequence of two or more pictures. Configurations may be saved to disk and different setups may be loaded for different users. Screen layouts, programmed responses, and other settings may be printed out. A menu-driven system permits access to various features including on-line help. An optical pointer, mouse, or trackball may be used to access pictures. A text-to-speech spelling option with abbreviation expansion is included.

Contact manufacturer for information on complete portable systems, beginning at $5,000.00.

Product Name: Talking Screen for Windows

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

Talking Screen for Windows is a dynamic display communication program with voice output that works with Microsoft Windows. Talking Screen provides commercial symbol sets, clip art, and photographic images from CD-ROM. A built-in paint program provides the ability to customize symbols and personal photgraphs can be imported. The page layout can have up to eight rows and 16 columns on a page and the separation between rows and columns can be adjusted. A feature called "Groups" lists symbol names with a given trait or theme in common. The user can select two or more groups and the program creates a page that contains all the symbols that are in both groups. A number of preprogrammed pages are provided and a "QuikPage" feature automatically sizes and generates a preliminary layout for a page

Talking Screen for Windows requires Microsoft Windows, 8MB of RAM, 40MB of hard disk space, and a display set for 256 color mode. For synthesized voice output, a MultiVoice or other supported voice synthesizer is required. For digitized sound, a SoundBlaster-compatible sound capability or the Words+ digitized sound kit is required.

No Photograph Available

Product Name: Talking Switch Plates

Vendor: Toys for Special Children, Inc.

Size: 5" x 8" or 5" x 16"

Cost: $55.00 - $65.00

Talking Switch Plates offer one or two recorded messages in either a single switch format or a rocking plate model. Pressing the plate activates the message of up to 20 seconds.

No Photograph Available

Product Name: TS2010X Text to Speech Personal Communicating Device

Vendor: D.C. & D., Inc.

Cost: Contact manufacturer

The TS2010X is a portable text-to-speech communication device. Input is through a keyboard with either alphabetical or QWERTY style layout. In addition to synthesized speech output, the device features a 40 character LCD display.

A variety of simple mounting options are also available. Spanish and French speech versions are currently being developed; contact manufacturer for details.

No Photograph Available

Product Name: VisionKey

Vendor: H.K. EyeCan, LTD

Computer: Apple Macintosh Family, IBM PC Family

Size: 9" x 5" x 2" (display unit)

Weight: 2 oz.

Cost: $2,500.00

VisionKey is an assistive communication aid operated by eye movements that can also be used as an input device for computers. An eye tracker is combined with a virtual 49-position keyboard within a lightweight eyepiece mounted upon standard glasses frames. The user selects letters, characters, or commands from the keyboard, and an intelligent controller confirms the eye position with a backlight. The selection is shown on a dual-facing 20-character LCD display unit and can be sent to a computer. VisionKey has four graded ability levels from basic keywords to full computer control. The display unit is wheelchair mountable and fully mobile. The system is controlled by internal software and can be customized for special needs.

Price does not include the cost of the frames and the optometrist or optician measurement and fitting fees. Both purchase and leasing options are offered. Contact manufacturer for further information.

Product Name: Vocal Assistant

Vendor: GMR Labs

Size: 3.75" x 6.5"

Weight: 10 - 11 oz.

Power Source: 9V battery

Cost: $395.00 - $495.00

The Vocal Assistant is a portable communication device designed to provide basic speech for individuals who are vocally-impaired or non-verbal. Application settings include the home, school, hospital, rehabilitation center, extended care facility, restaurants, and social activities. Model I and II can each record and play back 16 messages that are digitally recorded by another person. A paper overlay slides into the keypad so the contents of each key can be illustrated with words or pictures.

Model I features 16 standard length messages of a few seconds each. Model II features six extended-length messages and ten standard length messages as well as an audio scan switch input. Both models are available with an optional remote speaker, telephone interface, and keyguard.

No Photograph Available

Product Name: VoiceBachs

Vendor: Magic Laboratories, Inc.

Size: 12" x 10.5" x 1" (Lynn Tablet)

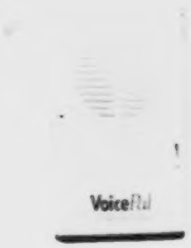
Weight: 3 lbs.

Power Source: Rechargeable batteries

Cost: $5,800.00

VoiceBachs is a portable augmentative speech system consisting of the LynnTablet 1100, VoiceBachs 1100 computer, speakers, and backpack for the computer. The LynnTablet is designed to be sturdy and features a 70 key QWERTY-based membrane keyboard. The keyboard is 5.75" x 4" and each key is a .5" square, while an LCD screen displays 16 lines of 40 characters. The LynnTablet can be mounted on a wheelchair, rested on the lap, or carried by ambulatory adults. Software features of the VoiceBachs computer include: user-definable word prediction and abbreviation expansion, a notebook so the user can give presentations, take notes, etc., a pre-loaded phrasebook, date book, and others. In addition to speech synthesis in twelve voices, the user can record up to 30 minutes of digitized sound. Batteries, microphone, charger, speaker mounts, and all cables are also included.

An optional finger guide overlay is available for $75.00.



Product Name: VoicePal

Vendor: Adaptivation, Inc.

Size: 4" x 6.5" x 1.8"

Weight: 1.5 lbs.

Power Source: "AA" batteries

Cost: $369.00

VoicePal is a self-contained communication training aid with up to 20 seconds of sound on five different channels. The messages are activated by touching the included Taction Pads (see entry) or any other switch. Batteries typically last six months under normal use and messages are protected if batteries are disconnected.

Product Name: VoicePal Plus

Vendor: Adaptivation, Inc.

Size: 4" x 6.5" x 1.8"

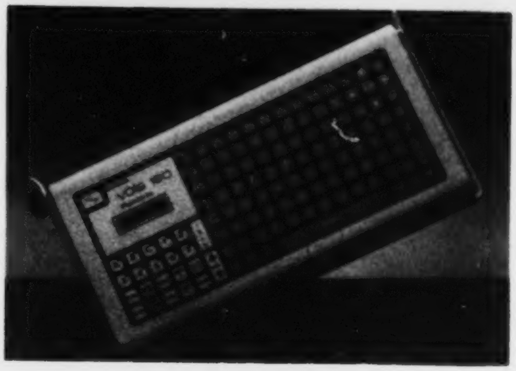
Weight: 1.5 lbs.

Power Source: "AA" batteries

Cost: $419.00 - $539.00

VoicePal Plus is a communication training and aid device that allows up to 10 six-second messages to be recorded and played back by touching the built-in keyboard, through external switches, or through a visual and auditory scanning mode. Features include: delayed activation, relay activation, reinforcement delay, scan activation selection, interauditory pause, scanning cycle mode, and inactivity shut down.

VoicePal Plus with direct select sells for $419.00 alone or for $469.00 with five Taction Pads (see entry). VoicePal Plus with scanning sells for $489.00 alone or for $539.00 with five Taction Pads.



Product Name: VOIS 160

Vendor: Phonic Ear Inc.

Size: 8.75" x 16.5" x 3.18"

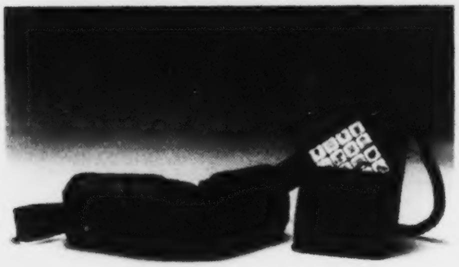
Weight: 5 ibs.

Power Source: Rechargeable batteries

Cost: $4,352.00

VOIS 160 is an electronic communication aid that generates synthesized speech. Words and phrases can be typed in and may be saved under a specific key location or as a sequence of keys. The VOIS 160 has a flat membrane keyboard that can be configured to contain up to 104 keys; key size is variable. The device may also be attached to any computer that has an RS232 interface; commands from the computer for programming and saving vocabulary to a backup file can be accepted by the VOIS 160. There are two software systems which can be used with this device: P.A.L.L.S. and VoisShapes. P.A.L.L.S. features a Three Talk Buffers function which permits separate conversations to be conducted simultaneously; the user can switch among the three buffers. The contents of the Talk Buffers can also be viewed on an internal display screen and edited. VoisShapes provides keyboard emulation including editing functions. The software also has hot keys (which recall frequently used words), grabber keys (which immediately interrupt any mode to speak a message), and grammatical keys.

Options (extra) include keyguards for 8, 24, or 104 keys, a carrying case, and programming software.



Product Name: WalkerTalker

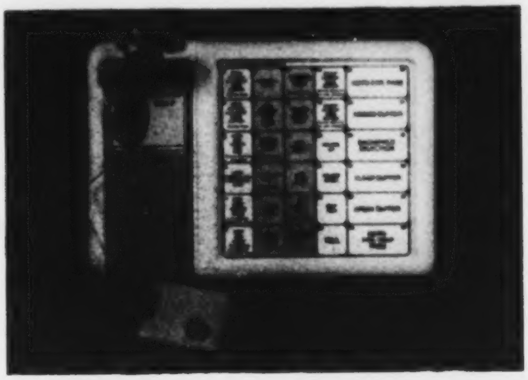
Vendor: Prentke Romich Company

Weight: 2 lbs.

Cost: $1,195.00 - $1,495.00

WalkerTalker is a digitized speech-output communication device that is carried in a belt that straps around the user's waist. Vocabulary is coded with Minspeak and the 16-key keyboard can be sequenced to produce hundreds of words, phrases, and sentences. Messages are accessed by removing the keyboard from it's carrying pouch and pressing the keys. Five overlays and a symbol sheet are included with the device.

Vocabulary can be saved onto a computer disk with the optional Memory Transfer Interface.



Product Name: WhisperWolf

Vendor: Wayne County Regional Education Service Agency

Size: 14.5" x 10" x 1.75"

Weight: 2 lbs., 10.5 oz.

Power Source: Rechargeable batteries

Cost: $450.00

WhisperWolf is a portable communication aid with synthesized voice output. The user can make selections by single-switch auditory scanning. The vocabulary items are read sequentially, through a private speaker which can be placed by the user's ear. When the desired selection is reached, the user activates the switch and the choice is spoken aloud through another speaker. Four memory sections are provided. The Fixed Section, which has a maximum capacity of 500 words organizable into up to 36 levels, is programmed by the manufacturer either per user custom specifications or with WOLF Curriculum Activity Packages (WOLFCAPS). The User Section has a capacity of approximately 800 words, organizable into as many as 36 levels, and is programmable by the user via either a 400-word "dictionary" of preprogrammed entries or a "phoneme page." The two additional memory sections can be left blank for extra User Sections or used as extra Fixed Sections. Auditory scanning options include: row/column or sequential scanning, selectable scan rate, rest mode, and continue after select vs. continue at start. Switch not included.

The optional WolfKey is available for $345.00 to provide computer access for WhisperWolf users.

No Photograph Available

Product Name: Yak Bak

Vendor: YES! Entertainment Corporation

Power Source: Included battery

Cost: Varies

Yak Bak is a small, hand-held recording and play back device that holds one message of up to six seconds in length. The device features two buttons, one labeled "say" and the other labeled "play." Messages are recorded by holding the "say" button down and speaking into the combination speaker and microphone. Messages are played by depressing the "play" button.

Yak Bak is available at toy stores, department stores, and novelty stores.

Chapter 6

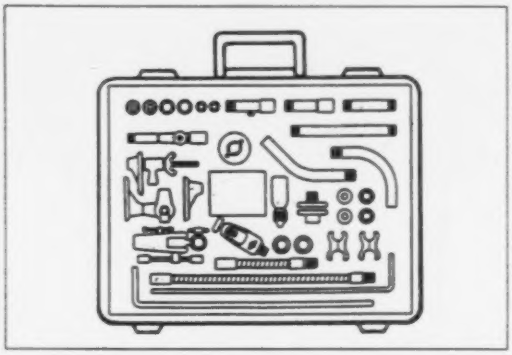
Mounting Systems

This chapter includes devices used to mount a switch, communication system, or computer access device so that an individual can access it optimally. Mounting systems for wheelchairs, tables, beds, and other applications are included here.

Devices that might be mounted with these systems can be found in the following chapters: Chapter 5 (Electronic Communication and Writing Aids); Chapter 8 (Switches and Controls); Chapter 9 (Environmental Controls and Telephone Adaptations; Chapter 10 (Call, Monitoring and Memory Systems); and Chapter 12 (Alternate Inputs).

The following product entries appear in this chapter:

Adaptive Fixtures Kit, *165*
Communication Station, *165*
Daessy Desktop Mount, *166*
Daessy Folding Mount, *166*
Flexible Wheelchair/Table Mounting Kit, *167*
Head Mounting Kit, *167*
Laptrays, *168*
Low-Tech Adaption Materials, *168*
Magic Arm System, *169*
Mighty Mount, *169*
Moulded Plastic Wheelchair Tray, *170*
Mounting Packages & Switches, *170*
Mounting Switch Mount, *171*
PowerBook Mounting Plate, *171*
Quick 'n Easy 2, *172*
Slim Armstrong, *172*
Support Station, *173*
Switch Mounting Hardware, *173*
Switch Mounting Kit, *174*
Switch Mounts, *174*
TASH Mounting Parts, *175*
Universal Switch Mounting System, *175*
WCMK, *176*



Product Name: Adaptive Fixtures Kit

Vendor: Zygo Industries, Inc.

Size: 18.5" x 15" x 13.5"

Weight: 12 lbs.

Cost: $625.00

The Adaptive Fixtures Kit contains a variety of parts for mounting and positioning devices such as switches. The kit is designed to be used in either of two ways: as a replacement part set for the user, or as an evaluation tool to experiment with various mountings and then order an individual's prescribed mounting from the factory. The kit contains selected quatities from Zygo's Adaptive Fixtures parts listing.

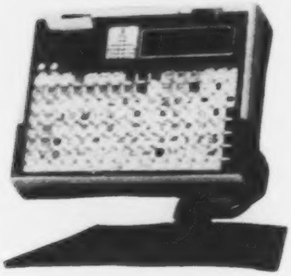
No Photograph Available

Product Name: Communication Station

Vendor: D.J. Technical Sales, LTD

Cost: Contact manufacturer

Communication Station is a wheelchair mounting system that is designed to mount communication devices, notebook computers, switches, and other items to wheelchairs. The system features a push-together Wedge Base/Plate connection system designed to simplify attaching the device to the mount and the mount to the wheelchair. A variety of sizes of Monoclamps adapt to all round, square, and rectangular tubing. Four basic models are available: Fold Down Mount, Rigid Mount, Desk Mount, and PowerBook Mount.



Product Name: Daessy Desktop Mount

Vendor: Prentke Romich Company

Cost: $305.00

Daessy Desktop Mount provides a stable, hands-free support for the Liberator, Touch Talker, Light Talker, IntroTalker, and AlphaTalker on any flat surface. Adapters are required for Light Talker ($60.00) and for older Touch Talkers ($75.00).

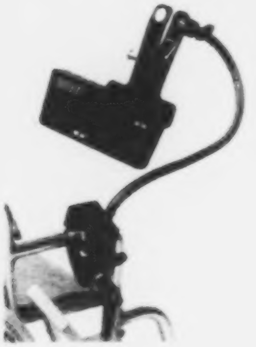
Product Name: Daessy Folding Mount

Vendor: Prentke Romich Company

Cost: $765.00 - $840.00

Daessy Folding Mount provides a stable and adjustable platform for mounting communication devices on wheelchairs. The entire communication device can be rotated down and out of the way and the platform can be adjusted to meet the positioning needs of each individual.

Daessy is available in three tubing diameters, (7/8", 3/4", or 1") and with either a 6" or 12" offset. Daessy is available for the following communication devices: Liberator, Touch Talker, IntroTalker, Light Talker, and AlphaTalker. A quick release adapter is required for use with the Light Talker ($60.00) and older Touch Talkers ($75.00).



Product Name: Flexible Wheelchair/Table Mounting Kit

Vendor: Crestwood Company

Cost: $104.95

The Flexible Wheelchair/Table Mounting Kit allows items up to three pounds in weight to be clipped to a 20" arm and mounted on a wheelchair or table. Items that can be mounted include: Opticommunicator Maxx, Crestalk, Jumbo Plate Switch, and Crestalk (see entries).

No Photograph Available

Product Name: Head Mounting Kit

Vendor: Don Johnston Incorporated

Cost: $95.00

The Head Mounting Kit is designed to mount the L.T. Switch or the Plate Switch (see entries) on a wheelchair. A push-button disconnect allows quick removal from the chair. Kit includes: mounting plate, right-angle tube, pushbotton disconnect, 13" flexible gooseneck, wheelchair clamp. Switches are not included.

No Photograph Available

Product Name: Laptrays

Vendor: Various (Generic Product)

Cost: Varies

One common method of mounting portable computers, keyboards, and communication systems for use by persons who use wheelchairs is to utilize laptrays already developed for other purposes. Laptrays can be very secure bases for mounting communication systems, but the following criteria should be considered when selecting a laptray for this purpose: construction of shatterproof material; a secure connection to the wheelchair; a proper cutout for fitting around the user's body; a width that spans the wheelchair but does not hang over far enough to obstruct passage through doorways; a length that provides ample work space but allows materials to be accessed visually and physically; a rim around the edges to prevent items from rolling off; the ability to swing away and fold down the tray for persons who transfer independently from the chair; light weight to facilitate the handling of the tray by the user or assistants; material durable enough to withstand the drilling of holes and a variety of weather conditions; and overall aesthetic attractiveness.

Many styles of laptrays are available from rehabilitation product manufacturers, or may be custom fabricated by rehabilitation engineers.

No Photograph Available

Product Name: Low-Tech Adaption Materials

Vendor: Various (Generic Product)

Cost: Varies

Communication, control, and computer access systems often depend on low technology materials to make them functional. These materials are frequently difficult to locate or forgotten in how helpful they might be. Examples of these materials are: contact paper, soft fabric hook and loop fasteners, heavy duty plastic hook and loop fasteners, poster tack putty, non-slip rubber or plastic sheets, and low temperature splinting thermoplastics.

Vendors of these materials can be elusive, but include hardware stores, large variety stores, hobby shops, and fabric stores. Often local rehabilitation therapists are knowledgeable of where these products can be purchased locally. Specific sources can also be found in local yellow pages and often in gift specialty catalogs.

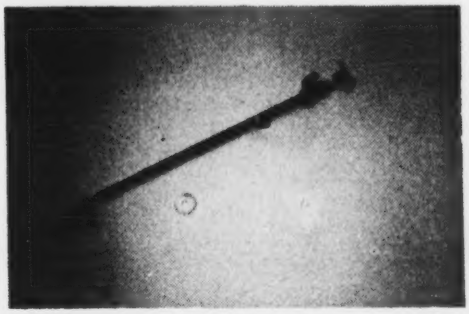
No Photograph Available

Product Name: Magic Arm System

Vendor: R.J. Cooper & Associates

Cost: $200.00

Magic Arm System is a mounting arm for a single switch that attaches to a variety of places, including wheelchair tubing and tables. A dial at the elbow tightens all three joints: one at the base, the elbow, and the switch end. When the dial is tightened everything stays in place. A variation of the Magic Arm, the Articulated Arm, has three knobs, is not as strong, and costs $100.00.



Product Name: Mighty Mount

Vendor: TASH, Inc.

Weight: 4 lbs.

Cost: $125.00

Mighty Mount is a switch mounting system for TASH switches. The device attaches to a table, bed, or wheelchair. The system features adjustable arm length, arm angle, and switch angle.

No Photograph Available

Product Name: Moulded Plastic Wheelchair Tray

Vendor: Variety Ability Systems, Inc. (VASI)

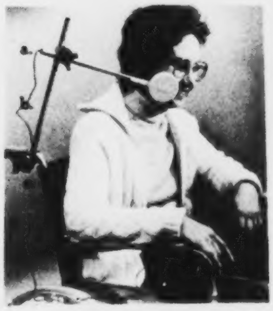
Size: See text

Weight: 6 - 7.6 lbs.

Cost: $163.50 - $178.50

The Moulded Plastic Wheelchair Tray consists of a laminate base of tough, thermoformed Kydex plastic mounted onto a lacquered plywood core. The tray is provided with an oversized proximal end to allow for individualized trunk cutouts. The tray can be modified for accomodating augmentative communication devices and electronic wheelchair interfaces.

The tray is available in two sizes: 22" x 24" x 1/2" or 24" x 28" x 1/2".



Product Name: Mounting Packages & Switches

Vendor: Crestwood Company

Cost: $85.00 - $105.00

The Mounting Package creates customized tubular mountings on either wheelchair or table. The preassembled packages include a Universal swivel clamp, 16" straight tube, and a wheelchair or table mounting clamp.

The wheelchair package sells for $85.00 and the table package sells for $105.00.

No Photograph Available

Product Name: Mounting Switch Mount

Vendor: Don Johnston Incorporated

Cost: $60.00

The Mounting Switch Mount is designed for the Mounting Switch (see entry). The mount is designed for permanent placement on a wheelchair for an individual user. Package includes 1/4" mounting rod and wheelchair clamp with 1/4" rod adpater. Switch is not included.

No Photograph Available

Product Name: PowerBook Mounting Plate

Vendor: Don Johnston Incorporated

Cost: $110.00

The PowerBook Mounting Plate has brackets and fasteners to hold the Macintosh PowerBook and allows it to be mounted to a wheelchair or other mounting system. The device is compatible with mounting systems from Daedalus Technologies, D.J. Technical, and Mitek Industries.

No Photograph Available

Product Name: Quick 'n Easy 2

Vendor: ACS Technologies, Inc.

Cost: Contact manufacturer

Quick 'n Easy 2 is a wheelchair mounting system for computers, communication devices, lap trays, and other devices. The system is designed to allow users in wheelchairs to raise and lower the device themselves. Tension control adjustments in moving parts allow for adjustment for weight of device and convenience of user. The system is adaptable for right or left side use.

A small Quick 'n Easy mounting system is also available for mounting lightweight devices and switches. The small system mounts securely to the armrest and can be put in numerous different positions.

Product Name: Slim Armstrong

Vendor: AbleNet, Inc.

Cost: $175.00

Slim Armstrong is a mounting system with a clamp that can be anchored to many kinds of surfaces. The system also features a ball joint for easy positioning, telescoping arm that stretches from 10.5" to 20.5", flexor rod to reach around tight angles, and a small rectangular mounting plate. Switches are not included.

Product Name: Support Station

Vendor: Support Engineering Associates

Cost: Contact manufacturer

Support Station is a wheelchair accessible computer mounting system that mounts to walls, partial walls, panel walls, partitions, cubicles, modular walls, file cabinets, lockers. The components of the computer can be mounted at any height and all trays adjust and swivel.

No Photograph Available

Product Name: Switch Mounting Hardware

Vendor: Toys for Special Children, Inc.

Cost: Contact manufacturer

Switch Mounting Hardware can be custom designed by Toys for Special Children, Inc. for individual mounting requirements. The manufacturer will bend rods or tubes, make device mountings, machine special fixtures, or join together specific hardware components. The hardware includes the following general categories: fixed attachments, adjustable wheelchair mounting clamps, clamp with swivel, weighted base, clamps, flanges, mounting rods, microphone tubing, mounting plates, and interconnectors. Contact manufacturer for further details.

No Photograph Available

Product Name: Switch Mounting Kit

Vendor: Don Johnston Incorporated

Cost: $165.00

The Switch Mounting Kit is designed to create customized, permanent mounts for an individual user. The kit includes: Dual Lock, three wheelchair clamps, six aluminum rods, two adapters, two thumb screws, 13" flexible gooseneck with pushbutton disconnect, right-angle tube, mounting plate, and tools needed for setup. Complete instructions are also included.

No Photograph Available

Product Name: Switch Mounts

Vendor: Various (Generic Product)

Cost: Varies

Often, the key to successful switch use is the way in which it is mounted. Switches do not need to lie flat on a laptray or table top; for example, they may be mounted upside-down or sideways to eliminate problems with gravity, or so they can be swung away from the user when not in use. Camera specialty mounts and tripods often serve well as switch mounts. Some clamp to tables, some have suction cups for flat surfaces, some provide multi-joint adjustments for variable positioning in space.

Many switch mounting devices are available from switch manufacturers or rehabilitation equipment vendors. Tripod and camera mounting equipment is available in photographic supply stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

Product Name: TASH Mounting Parts

Vendor: TASH, Inc.

Cost: Contact manufacturer

TASH, Inc. sells hardware to mount all of their switches, transmiters, and mini-keyboards on wheelchairs, tables, and beds. Available parts include: several types of clamps, tubes, goosenecks, etc. Contact the manufacturer for information on how to choose the appropriate parts.

No Photograph Available

Product Name: Universal Switch Mounting System

Vendor: AbleNet, Inc.

Cost: $185.00

The Universal Switch Mounting System is designed for quick and easy switch placement in any position. The system clamps onto table or wheelchair, holds up to five pounds, and fully extends to 20.5". Four mounting plates are available for $13.00 each: a small triangular plate designed for AbleNet's Jelly Bean switch (see entry), a small rectangular plate, a large rectangular plate for Speak Easy and the Jelly Bean Holders (see entries), and a large triangular plate for the Big Red switch (see entry).

An extension package that includes three extension rods plus a swivel attachment adding 6, 9, or 12 inches is available for $45.00. A Universal Base is also available for $52.00 to allow the system to be placed on the the floor or other flat surface.

No Photograph Available

Product Name: WCMK

Vendor: Prentke Romich Company

Size: 22" or 28" long

Cost: $340.00 - $405.00

The WCMK series is a system for mounting various communication devices on wheelchairs. WCMK can be attached to either side of the chair and the entire assembly can be removed. The system offers a wide range of adjustments, including rotation to the front or side for transferring. Four tube diameters, from 5/8" to 1", and two lengths, 22" and 28", are available.

WCMK is available for the following devices: Versascan ($390.00), IntroTalker ($390.00), Liberator ($340.00), Light Talker ($390.00), and Touch Talker ($340.00 - $405.00).

Chapter 7

Telecommunication Devices for the Deaf (TDD's)

This chapter includes only those devices which have been specifically designed for deaf or non-speaking individuals to communicate over telephone lines. It includes systems which use ASCII code, Baudot code, or touch tones transfer information. Also included are software programs that allow a computer and modem to act as a TDD, devices for individuals who are deaf and blind, and a variety of accessories for TDDs. It does not include devices that produce a synthesized voice: those are listed in Chapter 5. TDDs were known in the past as TTYs, and have recently come to be called Text Telephones (TTs).

Related "function" codes found in Index 1 include Telecommunication (TL), Conversation/Interaction (CI), and Phone Control (PC).

Appendix A includes a list of Information Resources for Deaf Individuals.

The following product entries appear in this chapter:

ASCII-TDD Software, *179*
Atlantic 144 TTY, *179*
Compact TTY, *180*
Dialogue TTYs, *180*
Dialogue VCO Read & Talk Telephone, *181*
Futura-TTY, *181*
InfoTouch, *182*
Intele-Modem, *182*
Lite Touch Telephone Communicator, *183*
Message Center, *183*
MIC300i Computer Modem, *184*
Minicom IV, *184*
Miniprint 425, *185*
NexCom 300vi & 300ve, *185*
Pay Phone TTY, *186*
Personal Communication Terminal (PCT), *186*
Phone-TTY CM-4 Computer Modem, *187*
Porta Printer Plus, *187*
PortaView, *188*
Positron Express, *188*
SIDD (Software Interface for the Deaf and Disabled), *189*
SM85 Smart ASCII/Baudot Modem, *189*
Supercom 4400 TTY, *190*
Superprint 100, 200, 400, *190*
Superprint 4425, *191*
Superprint ES TTY, *191*
TDD 2700, 2730, and 2830, *192*
TDD Detector, *192*
TeleBraille III, *193*
TeleView 40 & 80, *193*
ToneTalker, *194*
UltraSilent, *194*
Uniphone 1000, *195*
Uniphone TDD/TT, *195*
VCS 3500 with TDD Software, *196*
WinTalk, *196*
Writalk Electronic Pen Pad, *197*

The following products from other chapters can also be used as Telecommunication Devices for the Deaf:

Heidico Intertalk, *135*
Multi-Line Dial-A-News System, *759*
TDD Trainer System, *58*

Product Name: ASCII-TDD Software

Vendor: Gallaudet Research Institute-TAP

Cost: Free

ASCII-TDD Software assists in communication between standard modems and TDDs that have ASCII option. Because of the hardware design in standard modems, this software cannot let modems talk to TDDs that operate only in Baudot mode. This software is designed to simplify communication by computers with TDDs operating under 300 baud ASCII.

The software can be downloaded from ftp://fshb41.gallaudet.edu or http://fshb41.gallaudet/edu, or purchased by mail for $3.00.

No Photograph Available

Product Name: Atlantic 144 TTY

Vendor: Atlantic Technologies, Inc.

Computer: IBM PC Family

Cost: $399.00

Atlantic 144 TTY is a fax and data modem with the ability to communicate with TDD devices. The modem supports fax and data communications at 14.4 kbps and is shipped with SofNets Faxworks software as well as Comit data software.

Product Name: Compact TTY

Vendor: Ultratec, Inc.

Size: 8.8" x 3.9" x 1.2"

Power Source: Rechargeable batteries

Cost: $299.00

Compact TTY is a portable telecommunications device for the deaf (TDD) that features an 80-character, two-line display. The unit has a 57-key keyboard and an acoustic coupler that adjusts to fit square or round telephone handsets. Compact also has built-in clock and date functions. The device's memory can store hundreds of phone numbers or text for future use. A voice announcement alerts the recipient of a call from Compact that she needs to receive the call on a TDD. Contact manufacturer for further details.

Product Name: Dialogue TTYs

Vendor: Ameriphone, Inc.

Size: 10.25" x 12" x 3"

Weight: 3 - 3.25 lbs.

Power Source: Rechargeable batteries

Cost: $229.00 - $489.00

Dialogue TTYs are battery operated telecommunications devices for the deaf (TDD) with a four row keyboard and a 20 character vacuum fluorescent display with six mm character height. All models have an Emergency Call Announcer, call status indicator, flexible cups for round or square handsets, "GA" and "SK" keys, AC adapter, carrying handle, and standard or international Baud speeds.

Optional features offered in some of the six models include; direct telephone line connection, bright incoming call ring signaler, automatic answering system, phone directory, large 32K memory, password, programmable personalized greeting, built in printer, date and time stamp of calls, ASCII code, redialing, auto-busy redial, Toll Saver, Express type, and others.

Product Name: Dialogue VCO Read & Talk Telephone

Vendor: Ameriphone, Inc.

Size: 7.25" x 9.25" x 2.75"

Weight: 4 lbs.

Power Source: 120V AC & batteries

Cost: $189.95

Dialogue VCO Read & Talk Telephone is a telecommunications device for the deaf (TDD) designed specifically for use with local relay services or for anyone who cannot hear but wishes to use their own voice when communicating with hearing people. The user reads the responses from the other person in text typed by the communications assistant at the local relay service. The Dialogue VCO features a 30 decibel amplifier, dedicated relay number button, no keyboard, no typing required to initiate a voice carry over call, built-in text answering machine which is compatible with voice answering machines, and a two-line 20 character backlighted LCD text display.

Product Name: Futura-TTY

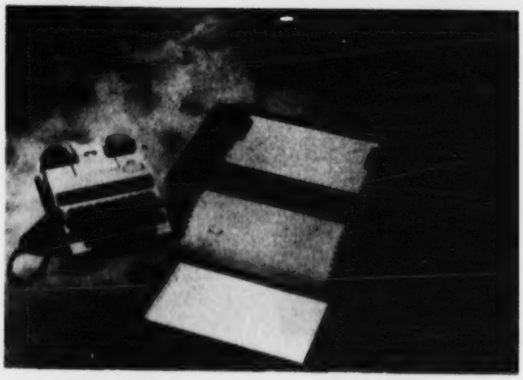
Vendor: Futura Wave Communications, Inc.

Computer: IBM PC Family

Cost: $69.95

The Futura-TTY is software designed for use with external and internal TTY/ASCII translation modems. By using this software and a TDD modem (extra), an individual using an IBM PC computer can receive and send TTY calls. The Futura-TTY software features include: autodial and redial, 500 phone/name directory, makes relay calls automatically, text/numeric paging, on-line help, and answering machine functions including forwarding new messages to other part or pagers. The program will also save and print conversations.

An IBM PC or compatible with 350K of RAM memory is required. The Nexion 300 (internal and external), Ultratec Intele-Modem, Phone-TTY CM-4, or Krown SM-85 TTY modem is also required to interface the computer with TTYs. Hayes compatible modems are supported for ASCII calls only. Futura-TTY software is compatible with Microsoft Windows 3.0, 3.1, and 95. A demo version is available for $5.00.

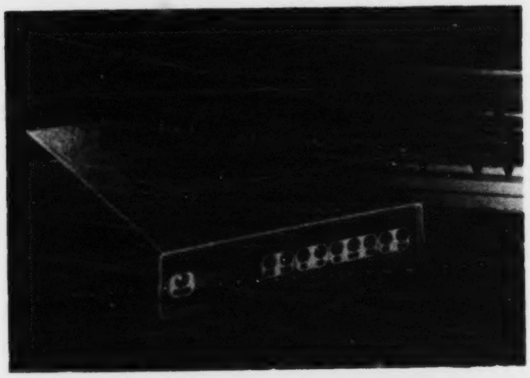


Product Name: InfoTouch

Vendor: Enabling Technologies Company

Cost: $3,295.00 - $4,695.00

InfoTouch is a three component system which gives deaf-blind persons access to the TDD network. It includes either model of the Romeo Braille Printer (see entry), a Superprint Modem (see entry) which can be used in either the conventional QWERTY or six key braille typing modes, and a vibrating detector which alerts the user to a dial tone, ring, or busy signal. Carrying cases are included.



Product Name: Intele-Modem

Vendor: Ultratec, Inc.

Size: 6.3" x 1.4" x 9.5"

Weight: 24 oz.

Power Source: AC adapter

Cost: $329.00

The Intele-Modem receives both Baudot and ASCII coded incoming telecommunication messages. When attached to this modem, a telecommunication device for the deaf is able to convert ASCII calls into Baudot code automatically. Intele-Modem connects directly to a phone line. The modem allows the user computer control if desired and works with standard communication software. This product also provides call progress monitoring by indicating dial tone, ringing, or busy. Lights on the front panel also indicate current operating mode (originate/answer, full or half duplex) and line status.

No Photograph Available

Product Name: Lite Touch Telephone Communicator

Vendor: Blazie Engineering

Size: 11" x 13" x 2.5"

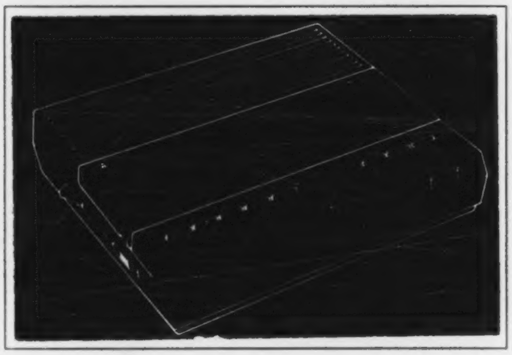
Weight: 6 lbs.

Power Source: Rechargeable battery & AC

Cost: $4,600.00

The Lite Touch Telephone Communicator is a system designed especially for people who are deaf and blind consisting of the Braille Lite personal data assistant, the SuperPrint E modified TDD (see entries), and a tiny signal detector. Incoming messages automatically scroll across Braille Lite's display and messages can be sent by using either the TDD's QWERTY keyboard or Braille Lite's Perkins keyboard. The signal detector emits a strong vibration when the telephone detects a ring, busy signal, or audible indication that the other party is speaking.

Lite Touch is also available as an upgrade to an existing Braille Lite for $1,300.00. No modification to Braille Lite is required.

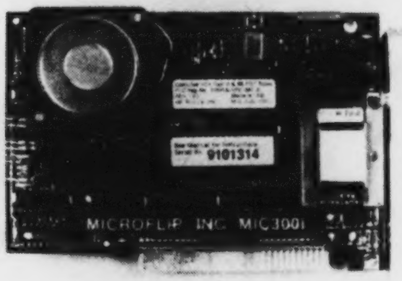


Product Name: Message Center

Vendor: Heidico, Inc.

Cost: $149.95

The Message Center is manufactured by AT&T and programmed by Heidico, Inc. to simplify voice and/or TDD communication by and between the hearing and the hearing impaired user. The message center can be accessed from any phone or TDD to transmit, receive, store, and retrieve memos, messages, and other voice/TDD communications. Features include: audio cassette for storing communications, auto answer, personal memo, call indicator, remote access, and more. The device is volume controllable, hearing aid compatible, and works with all types of TDDs.



Product Name: MIC300i Computer Modem

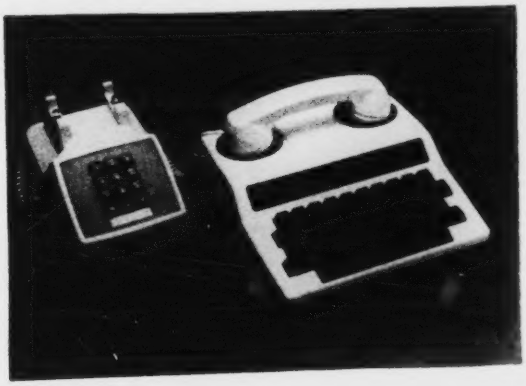
Vendor: Microflip, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $349.00

The MIC300i computer modem enables an IBM personal computer to act as a telecommunication device for the deaf. The modem is packaged with software which allows the computer to accept ASCII and Baudot coded incoming calls. The MIC300i has an "answering service" capability which can receive and record up to one thousand incoming TDD messages. The messages can be displayed on either a forty or eighty column screen. Other features include: help menu, auto redial, scrolling up to five pages of conversation, and a built-in speaker.

The software can be configured to be memory resident.



Product Name: Minicom IV

Vendor: Ultratec, Inc.

Size: 8.9" x 10" x 2.5"

Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $239.00

Minicom IV is a portable TTY with 20-character LED display. The Minicom transmits using the standard Baudot TTY code. The keyboard includes backspace and shift keys. A signal light informs the user when there is a dial tone, busy signal, ring signal, or answer at the other end. Minicom IV has a 4-row keyboard with 43 keys.

Minicom IV uses either rechargeable batteries or an AC adapter.

Product Name: Miniprint 425

Vendor: Ultratec, Inc.

Size: 10" x 9.5" x 3"

Weight: 3.6 lbs.

Power Source: Rechargeable batteries

Cost: $419.00

Miniprint 425 is a printing TTY with a four row, 47 key keyboard and a 20 character display. Turbo Code technology allows telephone conversations to be in real time if both units are Turbo equipped and Auto ID automatically sends TTY tones to alert the answering party that the call will be on a TTY. The built in 24 character printer has three print sizes and prints in upper and lower case. Direct connection allows for clearer TTY conversations, keyboard dialing, two jacks for easy attachment of both a signaling system and a telephone line, and a call progress indicator that spells out "ringing" or "busy" after a number is dialed.

Product Name: NexCom 300vi & 300ve

Vendor: Nexion, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $299.00 - $389.00

NexCom 300vi is an Internal Card Modem and NexCom 300ve is an External Modem. Both can operate as an industry standard Hayes compatible fax modem and as a TDD. NexCom features Autodetect that automatically detects and connects to incoming calls from TDDs, high speed modems, or FAX as well as detecting what is answering an outgoing call. The NexCom 300 also features call transfers to other extensions with either a TDD or a modem, "Speed Jump" to change the connection speed in the middle of a call, and a sound and transmitting light on the computer screen so the user can monitor sounds and transmission on the line. Included software for Microsoft Windows provides vertical split screen chat so both parties can type at the same time, an answering machine function, a conversation viewer for saving and printing messages and conversations, and other features for placing and receiving calls to or from TDDs, BBSs, and relay services.

The 300vi sells for $299.00 and the 300ve sells for $389.00. The NexCom 300 can be used with any communication software for the Macintosh.

Product Name: Pay Phone TTY

Vendor: Ultratec, Inc.

Size: 10.8" x 11.3" x 4"

Weight: 30 lbs.

Power Source: AC adapter

Cost: $995.00 - $1,495.00

The Pay Phone TTY is a telecommunications device for the deaf that can be attached to any public pay phone. The TTY keyboard unit is housed in a metal drawer which is bolted underneath the phone. The user takes the phone receiver and places it to the side of the phone and dials a TTY number. When the call is answered by a TTY, the drawer will open. The TTY feature does not interfere with standard use of the pay phone.

The Pay Phone TTY can store a conversation in a 2,000 character memory so the user can scroll through the conversation. When the call is completed, the memory is cleared.

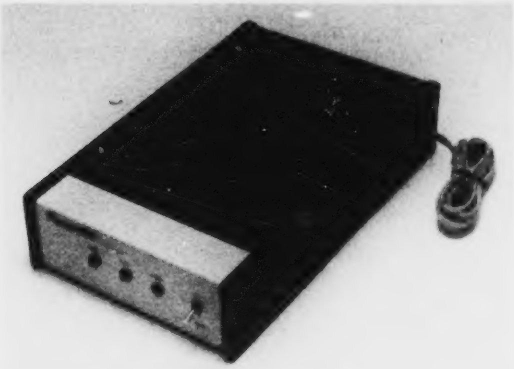
Product Name: Personal Communication Terminal (PCT)

Vendor: Trident Technologies

Cost: $649.00

The Personal Communication Terminal (PCT) is a telecommunications device for the deaf which can display both sides of a conversation on its screen. The Tabletop model has a screen which can accomodate 25 lines of text at 40 or 80 characters per line spacing and has a full QWERTY keyboard. The PCT features incoming call signaling, programmable telephone number directory, autodialing, memory for storing phrases and conversations, a serial printer interface, and text answering machine.

The PCT can recognize both Baudot and ASCII codes.



Product Name: Phone-TTY CM-4 Computer Modem

Vendor: Phone TTY, Inc.

Computer: IBM PC Family

Size: 8" x 5" x 2.5"

Cost: $349.00

Phone-TTY CM-4 Computer Modem is a modem that can communicate in either Baudot (TDD) code or ASCII (standard computer) code. The user connects the modem to a computer via the RS-232 port, and sends and receives messages via the computer. The CM-4 Modem is compatible with both US and International modes of TDD communication, and with ASCII communication at 110 or 300 baud. The modem automatically detects the code of the incoming call and responds appropriately.

The Phone-TTY CM-4 Computer Modem is designed to be used only with special software: PC/TDDA Software (see entry). This software allows the user to send and receive messages, auto-dial phone numbers, and automatically answer and record incoming calls. PC/TDDA Software is designed for the IBM-PC, running under PC-DOS. The CM-4 Modem and this software are sold as a package: the price listed is for both items.

No Photograph Available

Product Name: Porta Printer Plus

Vendor: Telcom !nternational

Weight: 5 lbs.

Cost: Contact manufacturer

Porta Printer Plus is a TDD with a 20 character thermal line printer and a 20 character fluorescent display. Porta can be used as a display only device or with display and printer operating simultaneously. Characters in the display can move across the screen in the traditional right to left mode or in a smooth left to right wrap-around mode. The device comes with a carrying case and an AC adapter/charger.

Optional features include dual acoustic/direct connect capability and ASCII code format.

No Photograph Available

Product Name: PortaView

Vendor: Telcom International

Size: 10" x 2.5"

Weight: 3 lbs.

Cost: $219.00 - $269.00

PortaView is a line of three portable and lightweight TDDs. Each model features a four row keyboard and a 20-character display.

PortaView Junior has the above standard features and a 3-hour rechargeable battery. PortaView Senior includes the standard features plus direct connect, keyboard dialing, auto answer, international code, and a printer port (printer not included). PortaView Plus includes the features of PortaView Junior and Senior plus 8,192 character memory, memory dialing, tone pulse dialing, built-in directory, remote message retrieval, electronic voice, and an optional ASCII code modem.

Product Name: Positron Express

Vendor: HARC Mercantile, LTD

Computer: IBM PC Family

Cost: Contact manufacturer

Positron Express is a computer keyboard with built in TDD/TT permitting direct communication with a TDD/TT caller. The device replaces the standard computer keyboard and simply connects to any telephone. An LCD display shows the conversation and a built-in printer provides a record of each call. Communication can be in Baudot or ASCII. The 102 key and 12 function key keyboard can function as the PC keyboard as well.

Product Name: SIDD (Software Interface for the Deaf and Disabled)

Vendor: Comm-Tel

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $1,050.00

SIDD is a software program that allows an organization to provide voicemail capabilities to TDD callers. SIDD is installed on an IBM compatible PC and connected to the organization's TDD number. TDD callers then access automated information about the organization or can chat with a representative. The software can be customized in a number of ways with simple to detailed menu layouts with sub-categories.

Price includes software, TDD modem, installation manual, basic use manual, and necessary cables. Contact manufacturer for further details.

No Photograph Available

Product Name: SM85 Smart ASCII/Baudot Modem

Vendor: Krown Research, Inc.

Computer: All (Hardware Independent)

Size: 9.5" x 6.25" x 1.38"

Weight: 1.25 lbs.

Power Source: 120V AC

Cost: $349.00 - $428.00

SM85 Smart ASCII/Baudot Modem is a modem that allows devices that communicate in standard computer ASCII code to communicate with TDDs, which commonly communicate in Baudot code. The SM85 Modem receives an incoming call, determines whether the call is in ASCII or Baudot code, and responds accordingly. The messages are relayed to the user's computer (or other ASCII terminal) in ASCII code. The user's responses are translated into the correct code for transmission to the caller. The SM85 can be programmed to automatically send a message to incoming callers. Memory holds up to 4,096 characters, and the user can store commonly-used responses, log-on numbers, or passwords. Automatic dialing of up to 10 pre-programmed phone numbers is possible.

The SM85 connects to the phone line with an standard modular phone jack. Connection to the user's terminal or computer is via an RS-232 serial port (RS-232 cable and adapter are included), communicating at a rate of 300 Baud. BBS firmware is available on request. The SM85 is $349.00, or $428.00 including a clock calendar.

Product Name: Supercom 4400 TTY

Vendor: Ultratec, Inc.

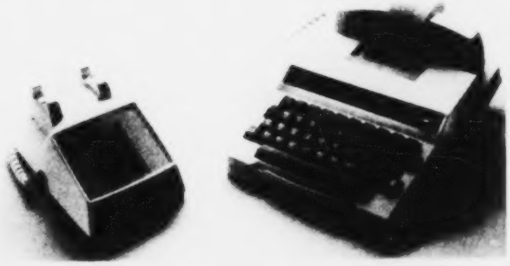
Size: 8.9" x 10" x 2.5"

Weight: 2.5 lbs.

Power Source: Rechargeable batteries

Cost: $339.00

Supercom 4400 TTY is a non-printing TTY with a four row, 50-key keyboard and a 20-character display. Turbo Code for real time conversations and Auto ID are standard features of the Supercom 4400. In addition, Supercom has a programmable relay voice announcer which directs a hearing caller to call a relay service. A 32K memory enables the user to name and save conversations, memos, outgoing messages, and telephone numbers in a directory. Auto-Answer allows Supercom to work like a TTY answering machine with remote message retrieval capabilities. A built-in ring flasher will identify incoming calls.



Product Name: Superprint 100, 200, 400

Vendor: Ultratec, Inc.

Size: 12.5" x 9" x 3"

Weight: 4.75 lbs.

Power Source: Rechargeable batteries

Cost: $399.00 - $529.00

Superprint is a portable TDD with a 20-character vacuum fluorescent display and a built-in 24-column printer. Superprint has a 8,000 character memory for composing and sending messages, and is available with the capability of automatically answering incoming calls and sending a stored message to the caller. Superprint is also available with the capability of sending ASCII code as well as the standard Baudot code.

The Superprint line consists of three models. Superprint 100 must be hooked to an external printer (extra) in order to print. Superprint 200 comes with a built-in 24-column printer. Superprint 400 comes with the auto-answer feature, and can be directly connected to a phone line without using the receiver. All models come with a hard case. ASCII capability can be added to any of the units for $49.95. A TDD Announcer feature is available for both new and existing Superprint models. A large visual display is also available, with several options as to the color in which the characters appear; contact manufacturer for details.

Product Name: Superprint 4425

Vendor: Ultratec, Inc.

Size: 10" x 9.5" x 3"

Weight: 3.6 lbs.

Power Source: Rechargeable batteries

Cost: $499.00

Superprint 4425 is a printing TTY with a four row, 50-key keyboard and a 20-character display. Superprint 4425 has the same Auto ID and Turbo mode technology as the Miniprint 425 that allows for real time conversation. In addition, Superprint has a relay voice announcer which directs a hearing caller to call a relay service. A 32K memory enables the user to name and save conversations, memos, outgoing messages, and telephone numbers in directories. An auto answer feature of the Superprint 4425 allows the device to work like a TTY answering machine with remote message retrieval. The Superprint 4425 also includes time and date stamping and a built in ring flasher.

ASCII code, a built in ring flasher, and printing of the date and time are optional features.

No Photograph Available

Product Name: Superprint ES TTY

Vendor: Ultratec, Inc.

Size: 12.5" x 9" x 3"

Weight: 4.75 lbs.

Power Source: Batteries or AC adapter

Cost: $650.00

The Superprint ES is a telecommunication device for the deaf (TDD) designed for use by emergency services personnel who may receive TTY calls from persons who are deaf. The unit consists of a TTY keyboard and electronic display, and a built-in printer. The date and time is printed at the beginning of each call. Phone numbers may be stored in memory; the last 3,000 characters of conversation are automatically stored and may be reprinted. Superprint ES can accept calls in either ASCII (computer) or Baudot code. An Auto-Answer feature works as an answering machine to record TTY calls.

No Photograph Available

Product Name: TDD 2700, 2730, and 2830

Vendor: AT & T Accessible Communication Products Center

Weight: 2.5 - 3 lbs.

Cost: $249.99 - $549.99

TDD 2700, 2730, and 2830 are lightweight telecommunication devices for the deaf. All models have an alpha-numeric keyboard, 20 character lighted display, signal indicator (which shows dial tone, ringing, and busy signal), connector for external printer, low battery indicator. The TDDs have sensitivity switches to compensate for telephone line static. The handset couplers fit both round and square handsets. In addition to these features, some models have a pulse dialing feature and can run on standard household current as well as rechargeable batteries.

TDD 2700 costs $249.99 and weighs 2.5 lbs.; TDD 2730 costs $369.99, TDD 2830 is $549.99.

Product Name: TDD Detector

Vendor: Ultratec, Inc.

Size: 1.4" x 6.3" x 9.5"

Weight: 1.3 lbs.

Power Source: AC adapter

Cost: $359.00

TDD Detector is a telephone line monitoring device designed to alert emergency service workers to an incoming TDD call. The unit continuously monitors an incoming phone line; when a TDD call is detected, TDD Detector alerts the operator with a built-in voice announcement. The device can also transmit a message to the TDD caller while the call is transfered to a TDD-equipped operator or while a TDD is connected to the phone line.

TDD Detector recognizes Baudot TDD code. The device has two standard telephone jacks, an off-hook input jack, and a speaker output phone jack. Contact the manufacturer for specific price and telephone system information.

Product Name: TeleBraille III

Vendor: TeleSensory Corporation

Size: 9" x 9"

Power Source: Rechargeable batteries

Cost: $5,750.00

TeleBraille III is a modified TDD system that provides braille input and output. The system consists of two units. One resembles a standard TDD, with a standard alphabet keyboard and visual character display; the other has a braille keyboard and refreshable braille display. In face-to-face conversation, the sighted speaker types text into the standard TDD unit, and the text is translated into braille and can be read by the deaf-blind speaker on the refreshable display. Conversely, the braille text entered by the deaf-blind user appears as standard text on the sighted speaker's visual display. The TeleBraille system can also be used to communicate with other standard TDDs over telephone lines using either Baudot or ASCII code.

No Photograph Available

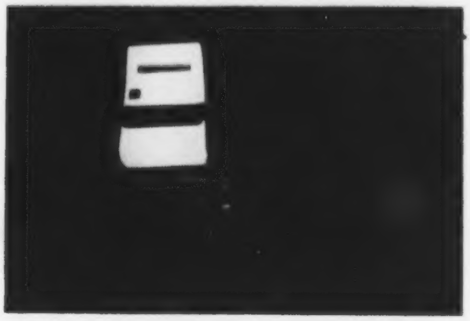
Product Name: TeleView 40 & 80

Vendor: Telcom International

Cost: $399.00 - $499.00

TeleView 40 & 80 is a series of six models of printing TDDs. The standard unit features a high speed, thermal printer, a 20 character display, and a 49-key, four row keyboard with 18 function keys. Each model also features a built-in voice announcement, international and American speed, and 32K memory. TeleView operates in Baudot code.

The TeleView 40 line and the TeleView 80 line differ only in the size of the printer. Model 40 uses 3" paper and Model 80 uses 4.25" paper. The Model 40T and 80T feature built-in direct connect to save time and to use the unit without a telephone handset, an auto answering machine with multiple outgoing messages, and remote message retrieval. Model 40TDD and 80TDD are each a telephone and TDD in one unit, have a built-in ringer and on/off switch, and will hang up the phone with a push of a button. Optional features available for all models include: large display for visually impaired users, clock and calendar, built-in phone flasher, and ASCII code modem.



Product Name: ToneTalker

Vendor: Consultants for Communication Technology

Size: 4" x 2" x 0.5"

Weight: 8 oz.

Power Source: 9V battery

Cost: $300.00

ToneTalker is a portable text telephone device that enables a hearing impaired person to see messages sent from any touchtone phone. The device has a display and a microphone on a suction cup that attaches to the telephone receiver. The person on the other end of the line uses the keys on the touchtone telephone to spell words that are displayed on the display of the ToneTalker. Built-in words and phrases are generated by a two-key code.

Product Name: UltraSilent

Vendor: DiRAD Technologies, Inc.

Cost: Contact manufacturer

UltraSilent enables personal computer-based automated telephone systems to be directly accessible to individuals who use Telecommunication Devices for the Deaf (TDDs). Typically, such automated telephone systems offer a variety of features such as automated attendant, voice mail, transaction processing, and interactive voice response (IVR), and are generally purchased by businesses, government agencies, and other organizations with a relatively large volume of incoming calls from customers or consumers. The incorporation of UltraSilent technology on such systems makes their services directly and equally accessible.

UltraSilent can be purchased on DiRAD's own automated telephone system or can be incorporated onto virtually any other manufacturer's automated telephone system.

Product Name: Uniphone 1000

Vendor: Ultratec, Inc.

Size: 8.6" x 7.1" x 2.5"

Weight: 1 lb., 12.5 oz

Power Source: 9V battery

Cost: $229.00

Uniphone 1000 is a combination TTY, standard telephone with volume control, and Voice Carry Over (VCO). Uniphone has a four row QWERTY keyboard with an LCD display of two lines of 24 characters. Turbo Code technology allows for near real-time conversations and Auto ID lets hearing people know that a TDD is calling. VCO facilitates more natural conversation for users who can speak but not hear and wish to use both voice and text at the same time. In addition, it is helpful for calls placed through a relay service. Uniphone operates on standard Baudot code.

Product Name: Uniphone TDD/TT

Vendor: HARC Mercantile, LTD

Cost: Contact manufacturer

Uniphone combines standard telephone and TDD/TT functions. Uniphone features three modes for communicating: voice mode allows voice to text communication, TDD/TT mode allows TDD/TT text to text communication, and Voice Carry Over (VCO) mode allows both voice/text communication. A signal light shows what mode is being used. Other features include: a display key to control the contrast of the two-line display window, volume key for amplification of the handset and ring switch to set loudness of the ring, timer to keep track of the length of calls, Turbo Code in the TDD/TT mode, and 9V battery for usage during power failure.

Product Name: VCS 3500 with TDD Software

Vendor: Microlog Corporation

Computer: IBM PC Family

Cost: $15,000 - $100,000

The Voice Connect System (VCS) 3500 is a software-based telephone communications system which has voice mail, automated transaction processing, and automated attendant capabilities. The TDD Software module which is available for this system allows persons with telecommunications devices for the deaf to utilize all the functions of a VCS 3500 system. When a TDD user places a call to a number which uses VCS 3500, the person is given a menu of options from an automated attendant which can transfer or forward calls and take messages. From this menu, the user can access any of the system's functions including accessing public information services, such as job lines or transportation schedules, which use an automated audiotex message format. The automated transaction processing function interacts with TDD callers who are requesting forms, publications, or specific documents to be sent to them; information from callers can be transcribed without disrupting the system.

For more information about the configuration of the VCS 3500 contact the manufacturer. Price of the system depends on particular configuration but the base system cost is $15,000.

Product Name: WinTalk

Vendor: Microflip, Inc.

Computer: IBM PC Family

Cost: $49.95

WinTalk is a telecommunications software program designed to work with the MIC300i Internal Modem (see entry) and Microsoft Windows, allowing the computer and modem to be used for TDD communication. The icon-driven program features multi-tasking that allows the user to receive and record incoming messages in the background while working with another application. The icon library includes such features as: Rolodex, call transfer, privacy screen lock, alarm clock, calculator, diary, library of fonts, identify caller, and many other features for managing, placing, and answering calls.

WinTalk will work under OS/2, Windows 3.1, Windows for Workgroups 3.11, and Windows NT.

Product Name: Writalk Electronic Pen Pad

Vendor: SSK Technology, Inc.

Weight: 1.15 lbs.

Power Source: 120V AC

Cost: $1,999.00

Writalk is a device that allows users to have written conversations with other Writalk users over ordinary telephone lines. Letters and pictures that are written on one pad simultaneously appear on the receiver's pad. The device is equiped with screen storage and will print to a fax machine. Writalk also features an answering machine function and an auto access function that allows preprogrammed numbers to be dialed with the touch of a button.

Chapter 8

Switches and Controls

This chapter includes separately marketed switches and user interfaces (such as joysticks). It covers the wide variety of special switches designed to be operable by people with different physical capabilities. A variety of aids can be controlled with switches, including environmental controls (see Chapter 9), communication aids and training devices (see Chapters 3 and 5), and computer access systems (see Chapter 12).

All switches perform the same basic function: they close and open an electrical circuit; that is, they turn something on and off. Some are single switches (which control one circuit), and some are dual or multiple switches. Unless otherwise specified, all the switches are "momentary contact" (the switch is "on" only while the user is activating it) and "normally open" (the switch is on while the user is activating it, off when the user is not activating it). Devices for changing these two modes of operation can be found in Chapter 3.

Switches and user controls which only work with a single communication aid are listed as accessories for that aid. Those that are designed to work only with a particular computer and are not generally usable with other devices do not appear here, but are listed in Chapter 12 or Chapter 13.

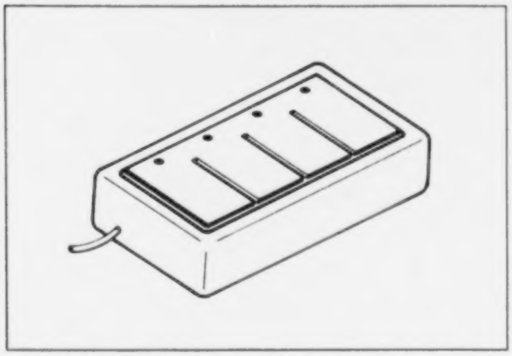
Switches have their own separate cross reference index (Index 3) where they are listed by their input and output features. Appendix B lists Service Centers which will evaluate people for selecting switches and controls.

The following product entries appear in this chapter:

4-Plate Switch: CM-15, *201*
4-Pneumatic Switch: CM-17, *201*
4-Pushbutton Switch: CM-16, *201*
4-Switch Joystick: CM-19, *202*
5-Pushbutton Switch: CM-18, *202*
5-Tread Switch Slot Control: CM-50, *202*
Adjustable Pressure Switch, *203*
Air Cushion Switch, *203*
Air Cushion Switch (Single or Dual), *203*
Air Switch, *204*
Air Wave Switch, *204*
Analog Switch Pad, *204*
Arm Slot Control, *205*
Armslot Switch Controller ASC-5, *205*
BASS Switches, *205*
Big Red, Yellow, Green, and Blue, *206*
Body Parts Switch, *206*
Body Switch BS-1, *206*
Breath Input Device, *207*
Buddy Button (5710-5773), *207*
Button Switch, *207*
Button Switch, *208*
Cap Switch (5806), *208*
Capacitive Touchplate Interface, *208*
Clamp-On Bump Switch, *209*
Classic Paddle Switch, *209*
Coil Spring Wobble Stick Switch, *209*
Computer Keyboard Switch, *210*
Computer Switch Plate, *210*
Continuous Movement Switch (CMS), *210*
Controflex Foot Switches, *211*
Controflex Ribbon Switches, *211*
Control & Momentary Control Center Switches, *211*
Crestwood Converter Switch, *212*
Crestwood Touch Latch Switch, *212*
Cup Switch (5807), *212*
Cushion Switch, *213*
Custom-Made Switches, *213*
Cylindrical Touch Switch (5300), *213*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch, *214*
Double Paddle Switch, *214*
Double Sip & Double Puff Switches, *214*
Double Touch Switch, *215*
Dual Plate Switch: CM-12, *215*
Dual Pneumatic Switch: CM-14, *215*
Dual Puff-Sip Switch DPS-2, *216*
Dual Pushbutton Switch: CM-13, *216*
Dual Rocking Lever Switch, *216*
Dual Tongue Switch TS-2C, *217*
Ellipse Switches, *217*
Eyebrow Switch, *217*
Facial Switch, *218*
Finger Flex Switch, *218*
Finger Isolation Button, *218*
Flex Switch (5855), *219*
Flexi-Switch, *219*
Flexit Switch, *219*
Flexswitch II, *220*
Grasp Switch (5865), *220*
Grip & Puff Switch, *220*
Grip Switch, *221*
HD Latching Pneumatic Switch, *221*
Head Control Switch, *221*
Head Position Interface, *222*
Head Switch, *222*
Head Switch Kit, *222*
Headband Switch, *223*
High Tech/Low Cost, *223*
Intention Switch, *223*
IST Switch, *224*
Jelly Bean, *224*
Joystick, *224*
Joystick Interface Control, *225*
Joystick with Pad Switch (5012), *225*
Jumbo Plate Switch, *225*
L.T. Switch, *226*
LD Latching Puff Switch, *226*
Leaf Switch, *226*
Leaf Switch, *227*
Leaf Switch (5860), *227*
Leaf Switch: CM-2/CM-7, *227*
Left/Right Rocker Switch, *228*
Lever Switch: CM-8/CM-9, *228*
Light-Activated Switch, *228*
LightSwitch, *229*
Low Force Adjustable Rod Switch, *229*
Magnetic Finger Switch, *229*
Mat Switch, *230*
Membrane Plate Switch, *230*
Mercury Switch, *230*
Mercury Tilt Switch, *231*
Micro Light Switch (5850), *231*
Micro Switch, *231*
Mini Cup Switch (5808), *232*
Mini Joystick with Push Switch (5020), *232*
Mini Rocking Lever Switch, *232*
Minimal Motion Splint-Mounted Switch Kits, *233*
Mounting Switch, *233*
Multi-Control Press Switch, *233*
Normally Closed Sensing Cell, *234*
Normally Open Sensing Cells, *234*
Omron Switch, *234*
Overhead Pull Switch, *235*
P-Switch, *235*
Patty Cake Press, *235*
Penta Switch (5024), *236*
Petite Pillow Switch, *236*
Photocell Switch, *236*
Pillow Switch (5875), *237*
Pinch Switch, *237*
Pinch Switch, *237*
Plate Switch, *238*
Plate Switch, *238*
Plate Switch (5830-34), *238*
Plate Switch On Stand, *239*
Plate Switch: CM-10, *239*
Plate Switches, *239*
Plate Switches, *240*
Play Mat Switch, *240*
Pneumatic Switch, *240*
Pneumatic Switch (5100, 5101), *241*
PRC Joystick, *241*
Pressure Switch, *241*
Pressure Switch, *242*
Pull Switch, *242*
Pull Switch, *242*
Pushbutton Switch: CM-11, *243*
Remote Ability Switch Adapter, *243*
Rocker Switch (5505), *243*
Rocking Plate Switch, *244*
Roller Switch Music Box, *244*
Round Pad Switch (5805), *244*
SCATIR Switch, *245*
Sensor Switch, *245*
Shadow Switch, *245*
Signal Buzzer Plate, *246*
Signal Switch, *246*
Single Rocking Lever Switch, *246*
Sip & Puff Switch, *247*
Snappy Switch, *247*
Soft Switch (5820, 5821), *247*
Specs Switch, *248*
Sponge Nurse Call Switch, *248*
Square Pad Switch (5810), *248*
Squeeze Switch, *249*
Standard Paddle Switch, *249*
Star Switch (5026), *249*
String Switch, *250*
String Switch, *250*
Super-Sensitive Normally Open Switch, *250*
Switchskins, *251*
Tactile Touch Pad, *251*
Taction Pads, *251*
TAS Switch, *252*
Thumb Switch: CM-5, *252*
Tilt Switch, *252*
Tip Switch (5840), *253*
Tongue Switch, *253*
Tongue Switch, *253*
Touch Pads, *254*
Touch Switch: CM-4, *254*
Tread Switch: CM-1, *254*
Treadle Switch (5880), *255*
Twin Plate Switch, *255*
Twinkle Switch, *255*
Twitch Switch, *256*
Ultimate Switch, *256*
Universal Adaptive Switch System, *256*
Vertical Plate Switch, *257*
Vertical Wobble Switch, *257*
Vibration Switch, *257*
Voice Activated Switch, *258*
Voice Switch, *258*
Wafer Switch (5018), *258*
Wobble Switch, *259*
Wobble Switch, *259*

The following products from other chapters can also be used as Switches or Controls:

ActionVoice, *118*
Apple Computer Input Adapter, *453*
Battery Adapter, *32*
Battery Interrupter, *33*
First Aide Kit, *278*
FreeSwitch, *279*
Input Adapter, *456*
LinkSwitch, *47*
Mini-Environmental Control (ECU) Box, *286*
Peg Switch, *50*
PowerLink 2, *290*
Puzzle Switches, *51*
Step On It! Computer Control Pedals, *363*
Switch-Back, *443*
Toy Adapter Cables: CA-9/CA-12/CA-16, *60*
Toy Cables (4378, 4379), *60*
WinSCAN: Limited Edition, *464*



Product Name: 4-Plate Switch: CM-15

Vendor: Zygo Industries, Inc.

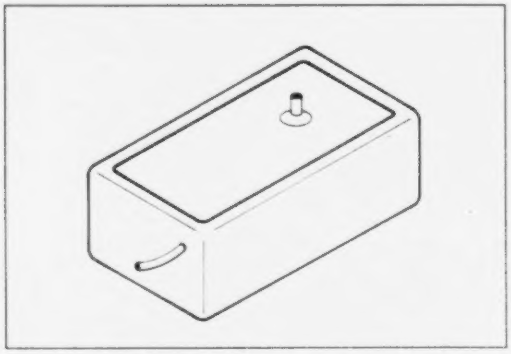
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 8 oz.

Connector Type: 5-pin DIN

Cost: $175.00 - $210.00

4-Plate Switch is a set of four switches housed side-by-side. Each switch is activated by pressing down on its rectangular plastic plate. An audible click accompanies switch activation.



Product Name: 4-Pneumatic Switch: CM-17

Vendor: Zygo Industries, Inc.

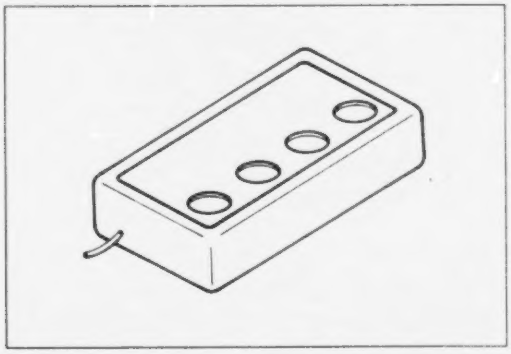
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 0.1 and 0.2 psi

Connector Type: 5-pin DIN

Cost: $290.00

4-Pneumatic Switch is a switching unit that accepts input from one sip-and-puff tube. Different combinations of light and heavy sip and puff serve to activate each of four switches. Any desired tube may be used; one is available as well from the manufacturer (extra). Switch activation is silent.



Product Name: 4-Pushbutton Switch: CM-16

Vendor: Zygo Industries, Inc.

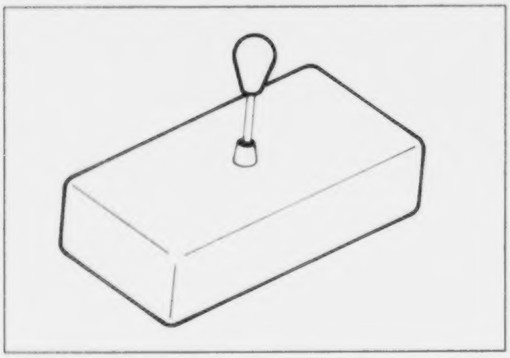
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4 oz.

Connector Type: 5-pin DIN

Cost: $175.00

4-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess. Pressing each button activates one switch. An audible click accompanies switch activation.



Product Name: 4-Switch Joystick: CM-19

Vendor: Zygo Industries, Inc.

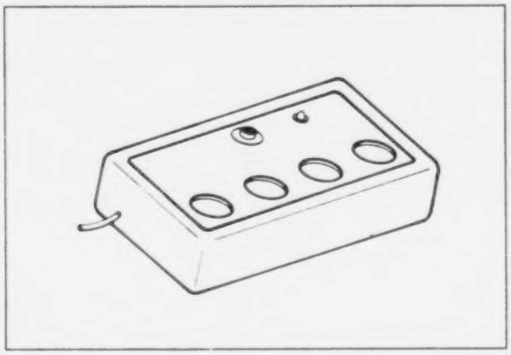
Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 11 oz.

Connector Type: 5-pin DIN

Cost: $345.00

4-Switch Joystick is a joystick lever that may be moved in any of four directions. Moving it in a particular direction will activate one switch. This joystick is also available with an additional pushbutton switch.



Product Name: 5-Pushbutton Switch: CM-18

Vendor: Zygo Industries, Inc.

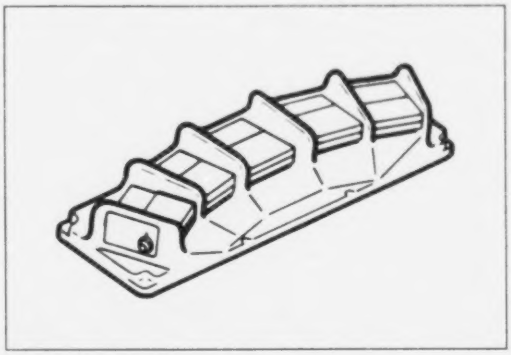
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 6 oz.

Connector Type: 7-pin DIN

Cost: $290.00

5-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess, with an additional raised pushbutton on the same housing. All switches are activated by being pressed. An audible click accompanies switch activation.



Product Name: 5-Tread Switch Slot Control: CM-50

Vendor: Zygo Industries, Inc.

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 5 oz.

Connector Type: 7-pin DIN

Cost: $315.00 - $345.00

5-Tread Switch Slot Control is a set of five Tread Switches (see Tread Switch, Zygo Industries, Inc.) mounted in an arc array, with dividers between them. The user activates the switches by moving the arm (or other activator) into the appropriate slot and pressing down on the switch. Activation produces a click.

No Photograph Available

Product Name: Adjustable Pressure Switch

Vendor: Nassau Applied Technology Resource Center

Cost: $108.00

Adjustable Pressure Switch is an air switch with adjustable sensitivity. An internal Call Buzzer is included.

No Photograph Available

Product Name: Air Cushion Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $41.00

The Air Cushion Switch is activated by mild pressure on the cushion.

ACS 2
AIR CUSHION SWITCH

Product Name: Air Cushion Switch (Single or Dual)

Vendor: Prentke Romich Company

Number of Switches: Dual Switch, Single Switch

Activation Pressure: 1.7 oz.

Connector Type: Mini-phone plug

Cost: $125.00 - $235.00

These switches consist of an air bellows with a tube leading from it to a switching unit. A light touch on the bellows sends air pressure to the switching unit, where the change in pressure activates a switch. Switching units are available with one or two sets of bellows for single or dual switching. The bellows have a threaded hole for mounting. The single switch (ACS-1) is $125.00; the dual switch (ACS-2) is $235.00.

No Photograph Available

Product Name: Air Switch

Vendor: Nassau Applied Technology Resource Center

Cost: $78.00 - $95.00

Air Switch is activated by squeezing the attached bellows. Three models are available: standard, with internal buzzer, and adjustable pressure with buzzer.

No Photograph Available

Product Name: Air Wave Switch

Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Cost: $102.30

Air Wave Switch is a high sensitivity membrane switch that operates from light air pressure or vacuum. Adjustable contact permits normally-closed operation. Contact manufacturer for further technical information.

Product Name: Analog Switch Pad

Vendor: Academic Software, Inc.

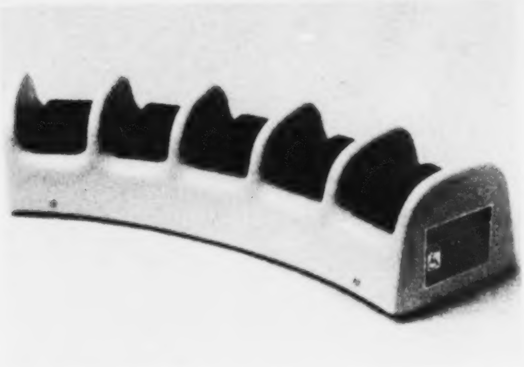
Number of Switches: Single Switch

Activation Pressure: 0.5 - 32 oz.

Connector Type: 3.5 mm phone jack

Cost: $89.00 - $99.00

Analog Switch Pad is a touch-activated, force-adjustable, low-voltage DC electronic switch that features a large activation area that is soft and compliant to the touch. Other features include a small LED lamp that glows when the switch is activatedby user pressure and a cable to connect the Switch Pad with other controls or computer interfaces.



Product Name: Arm Slot Control

Vendor: Prentke Romich Company

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4.6 oz.

Connector Type: DC-9 connector

Cost: $360.00

Arm Slot Control is a semicircular array of five lever switches, each in its own slot. The user can activate any of the switches by guiding an arm into the slot and then pressing down on the switch. Dividers between the switches prevent more than one switch from being activated at a time. An audible click is heard when a switch is activated.

Product Name: Armslot Switch Controller ASC-5

Vendor: APT Technology, Inc.

Number of Switches:
Multiple switches (3 to 16 Switches)

Connector Type: P310 connector

Cost: $310.00

The Armslot Switch Controller ASC-5 contains five paddle switches arranged in a semicircle so that arm movement cannot activate more than one switch at a time. The switch functions (forward, back, left, right, and select) may be installed in any slot in the configuration best suited to the user. An audible click is heard when a switch is activated.

No Photograph Available

Product Name: BASS Switches

Vendor: Don Johnston Incorporated

Cost: $48.00 each

BASS Switches are large area single switches. The surface area of the switches is 6" x 3.75". The switches provide auditory feedback when activated. BASS switches are available in six colors: blue, yellow, red, green, black, and white. The black and white ones can be purchased together for $90.00, the other colors together for $175.00, or individual switches are $48.00.

Product Name: Big Red, Yellow, Green, and Blue

Vendor: AbleNet, Inc.

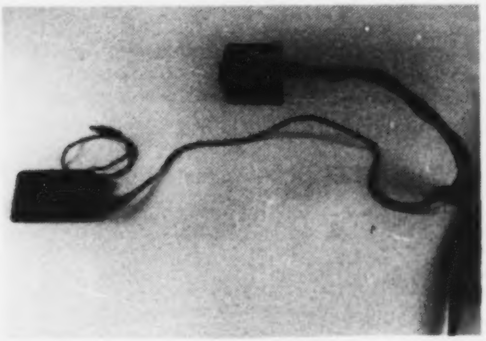
Number of Switches: Single Switch

Activation Pressure: 20 - 30 g

Connector Type: Mini-phone plug

Cost: $42.00 each

Big Red, Yellow, Green, and Blue are single push switches made of shatterproof plastic. The switches are 5" in diameter and may be activated by a light touch anywhere on the top surface. They come with a six foot cable and a mini-phone plug connector. An audible click is provided when switch is activated. Each color is sold separately.



Product Name: Body Parts Switch

Vendor: Therapeutic Toys, Inc.

Number of Switches: Single Switch

Cost: $99.95

The Body Parts Switch is a pressure activated switch mounted on a gooseneck extension with clamp mounting.

Product Name: Body Switch BS-1

Vendor: APT Technology, Inc.

Number of Switches: Single Switch

Activation Pressure: 3 oz.

Connector Type: Mini-phone plug

Cost: $49.00

The Body Switch is a single switch with a 1.5" diameter pushbutton. The switch is activated by pressure from any convenient body part and can withstand up to 100 lbs. of pressure. Activation is accompanied by an audible click. The Body Switch is intended for use with any device requiring a low current, single switch signal.

Product Name: Breath Input Device

Vendor: Neil Squire Foundation

Number of Switches: Dual Switch

Activation Pressure: 2" of water

Connector Type: See text

Cost: $250.00

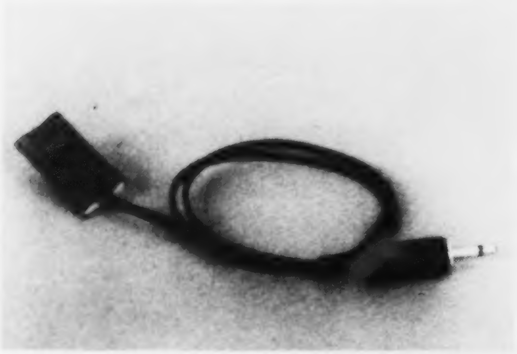
Breath Input Device (formerly Breath Switch) is a dual switch operated by sip and puff. Three different connectors are available: IBM game port, 25-pin serial, and 9-pin serial. A 25-pin serial will be sent unless otherwise specified.

Product Name: Buddy Button (5710-5773)

Vendor: TASH, Inc.

Cost: $39.00

Buddy Buttons are round switches available in a variety of bright colors: red, green, purple, pink, yellow, and blue. Also available in the following patterns: red plaid, yellow smiley face, blue and green bulls-eye, and yellow and red polka dots.



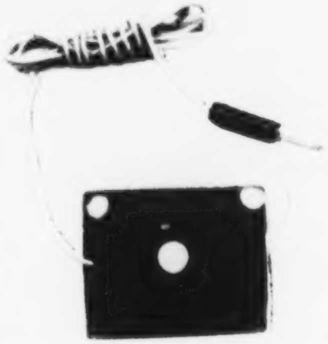
Product Name: Button Switch

Vendor: Creative Switch Industries

Number of Switches: Single Switch

Cost: $34.50

Button Switch is a switch activated by pressing on a round sensing pad with at least one ounce of pressure. The sensing pad is 0.30" in diameter. The switch has an adhesive back and 18" of cord.



Product Name: Button Switch

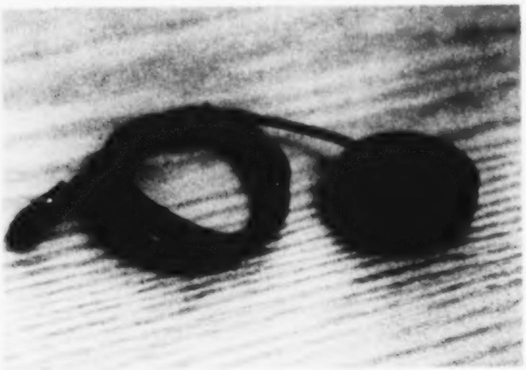
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $21.00

Button Switch is activated by pressing a button similar to a doorbell. The button is mounted on a rectangular base with suction cup feet.



Product Name: Cap Switch (5806)

Vendor: TASH, Inc.

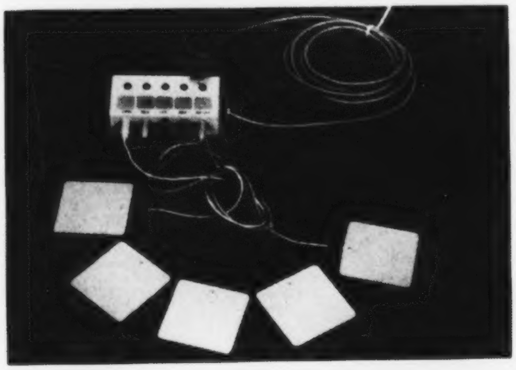
Number of Switches: Single Switch

Activation Pressure: 9 oz.

Connector Type: 3.5 mm phone plug

Cost: $40.00

Cap Switch is a small single switch controlled by pressing the top surface. Cap Switch provides auditory feedback upon activation.



Product Name: Capacitive Touchplate Interface

Vendor: Hugh MacMillan Rehabilitation Centre

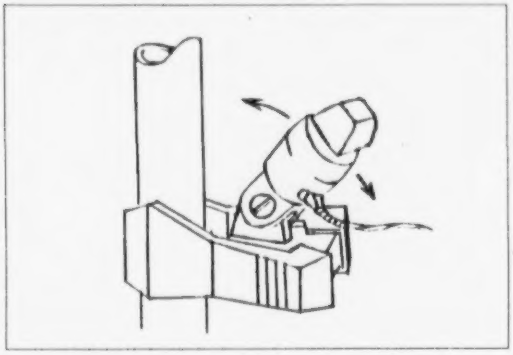
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: None

Connector Type: 9-pin DIN or Bundy 14

Cost: $1,200.00

The Capacitive Touchplate system has five individual capacitive touch plate channels. The touch plate is operated from the body's capacitance and requires only contact, no pressure. Three versions are available that alter positions and sizes, to adapt for limited range of motion or force output. The system can control communication aids or wheelchairs.



Product Name: Clamp-On Bump Switch
Vendor: Luminaud, Inc.
Number of Switches: Single Switch
Activation Pressure: 2 oz. or 4 oz.
Connector Type: 3.5 mm phone plug
Cost: $45.00

Clamp-On Bump Switch is activated by 2 oz. of pressure on its tip. This switch is designed to be attached to a bed, chair, table, etc. and activated by any convenient part of the body. Both momentary and toggle models are available.

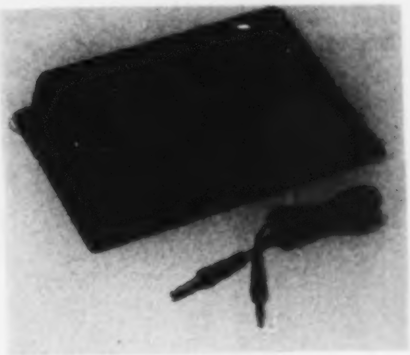
Product Name: Classic Paddle Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 2 lbs.
Connector Type: Mini-phone plug
Cost: $60.00

Classic Paddle Switch is a single switch activated by pressing on a treadle lever. The base of the switch is made of aluminum with a non-skid base. The treadle travels one inch.

No Photograph Available

Product Name: Coil Spring Wobble Stick Switch
Vendor: Creative Switch Industries
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $98.50

Coil Spring Wobble Stick Switch is a single switch activated by any movement of a 4.5" flexible coiled spring. The base is oak. The switch is available for vertical mounting, with either normally open or normally closed contacts.



Product Name: Computer Keyboard Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $60.00

Computer Keyboard Switch is a small version of a computer keyboard that functions as a single switch. Pressing any key activates the same switch closure. This switch is designed to accustom the user to causing an event by pressing on a keyboard, and cannot actually function as a computer keyboard.

No Photograph Available

Product Name: Computer Switch Plate

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $25.00

Computer Plate Switch is a plate switch with a picture of a computer keyboard laminated to the surface of the plate. This switch is designed to accustom the user to striking a computer keyboard to achieve some effect, without the user needing to handle actual computer equipment.

No Photograph Available

Product Name: Continuous Movement Switch (CMS)

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $98.00

The Continuous Movement Switch requires the user to keep the switch arm in motion for activation. The speed of motion can be adjusted from four to 10 RPMS and the range can be set at uni-directional rotation or bi-directional.

No Photograph Available

Product Name: Controflex Foot Switches

Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Activation Pressure: 40 oz.

Cost: $21.25

Controflex Foot Switches are sealed, black vinyl pads rated for nominal foot pressure.

No Photograph Available

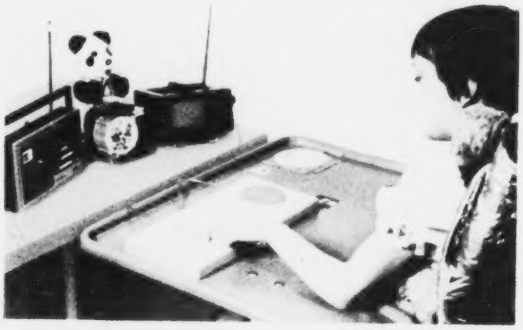
Product Name: Controflex Ribbon Switches

Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Cost: $21.25

Controflex Ribbon Switches are normally open momentary contact switches, activated by pressing on a flat ribbon-like strip. Twelve models are available for use in a variety of situations and activation pressures. Contact manufacturer for further details.



Product Name: Control & Momentary Control Center Switches

Vendor: Crestwood Company

Number of Switches:
Multiple switches (3 to 16 Switches)

Cost: $159.95

The Control & Momentary Control Center Switches are three touch switches built into one panel. The Control Center Switches operate in the latching mode and feature an audible click and three five-foot cables. The Momentary Control Center Switches are identical except the switch must be held down in order to operate the devices.

Product Name: Crestwood Converter Switch

Vendor: Crestwood Company

Number of Switches: Single Switch

Connector Type: 1/8" phone jack and plug

Cost: $95.00

The Crestwood Converter Switch converts any momentary switch into a continuous latch switch. One touch on any momentary switch turns on the device, second touch turns it off.

No Photograph Available

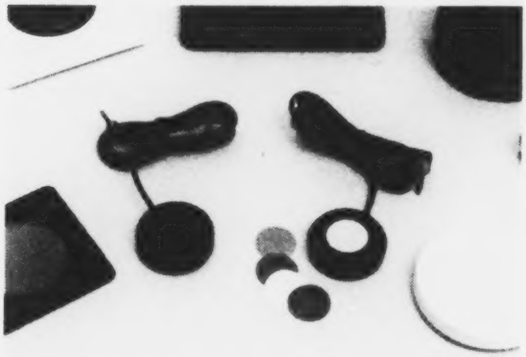
Product Name: Crestwood Touch Latch Switch

Vendor: Crestwood Company

Number of Switches: Single Switch

Cost: $90.00

The Crestwood Touch Latch Switch is a light touch switch. First touch makes switch stay on continuously, second touch turns it off. An audible click sounds when switch is activated or deactivated.



Product Name: Cup Switch (5807)

Vendor: TASH, Inc.

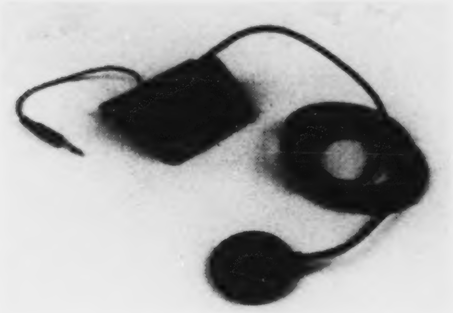
Number of Switches: Single Switch

Activation Pressure: 9 oz.

Connector Type: 3.5 mm phone plug

Cost: $50.00

The Cup Switch is a Cap Switch (see entry) "cupped" in a plastic base. The base provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface.



Product Name: Cushion Switch

Vendor: Therapeutic Toys, Inc.

Number of Switches: Single Switch

Cost: $48.00

The Cushion Switch is a round, pressure activated switch.

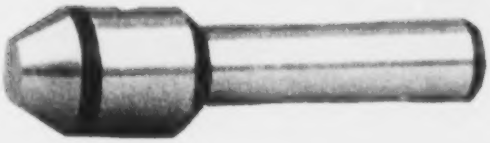
No Photograph Available

Product Name: Custom-Made Switches

Vendor: Various (Generic Product)

Cost: Varies

Generally, at least one of the commercially available switches will work for a client, even if creative mounting is required. However, sometimes existing switches do not suit highly specific needs, and many clinicians continue to make their own switches. It is important for practitioners to understand how switches work, how they will be maintained, safety issues, and product liability before attempting to construct them.



Product Name: Cylindrical Touch Switch (5300)

Vendor: TASH, Inc.

Number of Switches: Dual Switch

Activation Pressure: None

Connector Type: 5-Pin DIN

Cost: $350.00

Cylindrical Touch Switch is a switch activated by skin contact. Two surfaces on the switch can be contacted; each activates a different switch. Cylindrical Touch Switch requires a power supply (included) to be operated.

Product Name: Deluxe Paddle Switch II and Mini Deluxe Paddle Switch

Vendor: Creative Switch Industries

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $45.00 - $53.50

Deluxe Paddle Switch is a single switch activated by pressing on a 4" x 4" acrylic plate. Activation pressure is adjustable. Deluxe II Paddle Switch has a captive lip on the plate to prevent the plate from being raised inadvertently. Mini Deluxe Paddle Switch is 2.25" x 4" and is designed for mounting on a wheelchair.

No Photograph Available

Product Name: Double Paddle Switch

Vendor: Creative Switch Industries

Cost: $77.00 - $79.00

Double Paddle Switch consists of a 12" wooden base with 4" plates at both ends. Two 3' output cords (included) allow two devices to be controlled. A bilateral version of the switch is available; contact manufacturer for details.

No Photograph Available

Product Name: Double Sip & Double Puff Switches

Vendor: Toys for Special Children, Inc.

Number of Switches: Dual Switch

Cost: $60.00 each

Double Sip Switch is activated by sipping in slightly on the tube to create the first switch closure. Furthur sipping continues the first switch closure while providing a second closure. The Double Puff Switch is the same except the switch closure is activated by puffing on the tube.

No Photograph Available

Product Name: Double Touch Switch

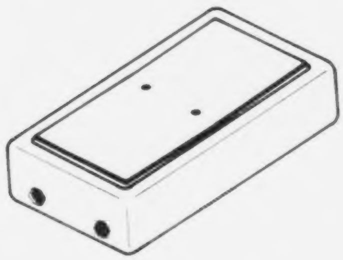
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $46.00

The Double Touch Switch can activate a toy or device only when both metal plates are touched simultaneously by any body parts.



Product Name: Dual Plate Switch: CM-12

Vendor: Zygo Industries, Inc.

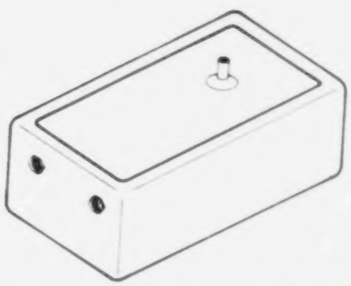
Number of Switches: Dual Switch

Activation Pressure: 8 oz.

Connector Type: Mini-phone plug

Cost: $115.00 - $140.00

This switch is activated by pressing either end of a rocking plate. Pressing one end activates one switch; pressing the other activates the second switch.



Product Name: Dual Pneumatic Switch: CM-14

Vendor: Zygo Industries, Inc.

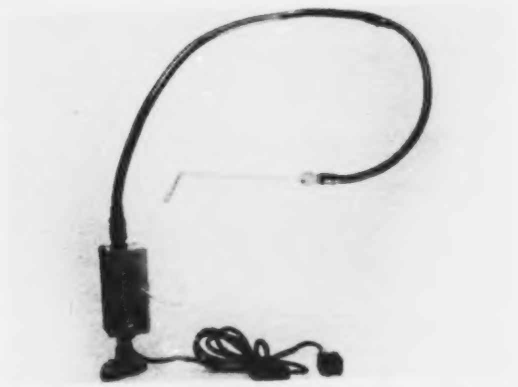
Number of Switches: Dual Switch

Activation Pressure: 0.1 psi

Connector Type: Mini-phone plug

Cost: $220.00 - $265.00

Dual Pneumatic Switch is a switching unit activated by sipping or puffing on a tube. Each of the two actions activates a different switch. Any chosen tube may be used; one is available as well from the manufacturer (extra).

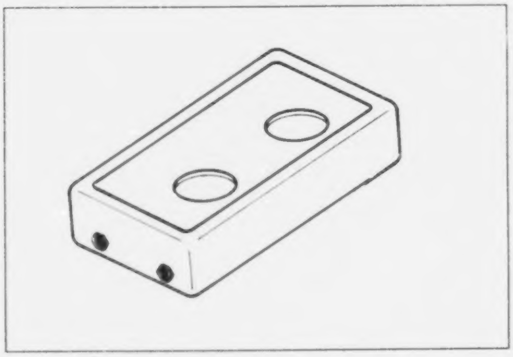


Product Name: Dual Puff-Sip Switch DPS-2

Vendor: APT Technology, Inc.

Cost: $295.00

The Dual Puff-Sip Switch is a pneumatic dual switch activated by blowing and sucking on the mouthpiece. The switch is mounted in a box that also includes two buttons to permit manual switch operation. The box is mounted on a 34" internally reinforced gooseneck with a clamp. Adapters are available to interface the P-306 plug (included) with other input requirements.



Product Name: Dual Pushbutton Switch: CM-13

Vendor: Zygo Industries, Inc.

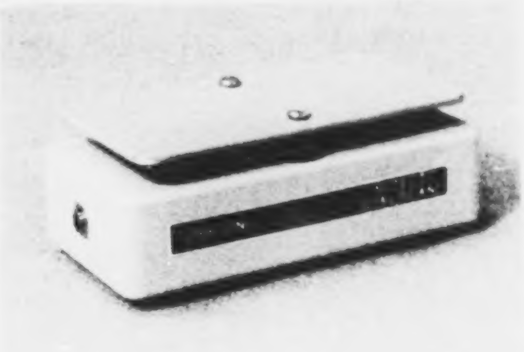
Number of Switches: Dual Switch

Activation Pressure: 8 oz.

Connector Type: Mini-phone plug

Cost: $115.00 - $140.00

Dual Pushbutton Switch is a pair of snap-action button switches housed side-by-side, each in a 1.25" diameter recess. Switches are activated by pressing. An audible click is provided when switch is activated.



Product Name: Dual Rocking Lever Switch

Vendor: Prentke Romich Company

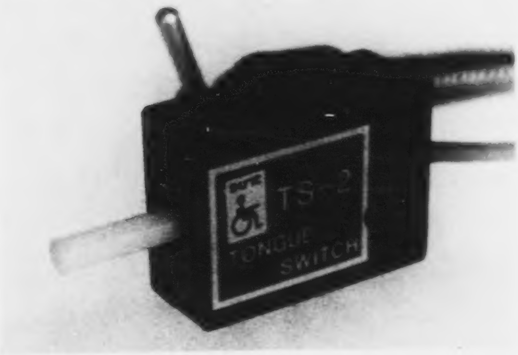
Number of Switches: Dual Switch

Activation Pressure: 1.6 oz. to 4.5 oz.

Connector Type: 3.5 mm phone plug

Cost: $90.00 - $110.00

Dual Rocking Lever Switch is a dual switch operated by pushing on either end of a plate. One end activates one switch, the other activates the other switch. The housing is made of plastic, with rubber feet and a threaded hole for mounting. Dual Rocking Lever Switch is available in two models: low or medium activation force.



Product Name: Dual Tongue Switch TS-2C

Vendor: APT Technology, Inc.

Number of Switches: Dual Switch

Activation Pressure: 0.75 oz. (adjust.)

Connector Type: P306 connector

Cost: $245.00

Dual Tongue Switch TS-2C is a minimum pressure, small movement, momentary operation dual switch designed to be operated by tongue, nose, chin, cheek, finger, or other small movement. The switch comes complete with gooseneck and table mounting hardware. An audible click sounds on activation. The switch activates after about .06" travel.

Product Name: Ellipse Switches

Vendor: Don Johnston Incorporated

Cost: $65.00 - $70.00

Ellipse Switches are a family of light-touch switches shaped to fit the hand. The switches have 1/8" miniplugs that can be attached to the I/O port on the Adaptive Firmware Card, the Multiple Switch Box, or FRED (see entries). Switch closure is indicated by a clicking sound. Three sizes are available: Ellipse 1 ($65.00), 3 ($67.50), and 6 ($70.00).

Product Name: Eyebrow Switch

Vendor: Words+, Inc.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $35.00

This switch is mounted on a visor. A lever projects down in front of the forehead, resting against it. When the user wrinkles the forehead or raises the eyebrow, the switch is activated. An audible click is provided with switch activation.

No Photograph Available

Product Name: Facial Switch

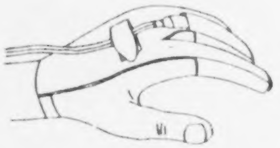
Vendor: Whitmyer Biomechanix, Inc.

Number of Switches: Single Switch

Connector Type: 1/8" phone plug

Cost: $90.00

The Facial Switch is attached to wheelchair head rest systems. The contact surface is padded with replaceable "ear pads" like those used on stereo headphones. Pressure by the head activates the switch. The switch is available in several mounting configurations. Contact manufacturer for details.



Product Name: Finger Flex Switch

Vendor: Luminaud, Inc.

Number of Switches: Single Switch

Activation Pressure: 10 - 25 degrees flex

Connector Type: 3.5 mm phone plug

Cost: $45.00

Finger Flex Switch is a switch built into a partial glove. Bending a finger activates the switch. The switch uses a 3.5 mm mini-phone plug as a connector.

No Photograph Available

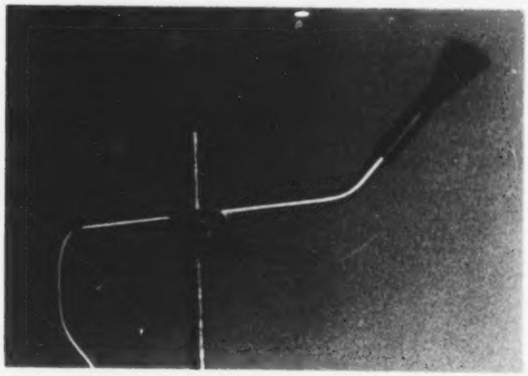
Product Name: Finger Isolation Button

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Cost: $28.00

Finger Isolation Button is a switch featuring a recessed button that encourages isolated touch. This device is designed to train motor skills for using computer keyboards.



Product Name: Flex Switch (5855)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 6 oz.

Connector Type: 1/8" phone plug

Cost: $135.00

Flex Switch is a single switch operated by bending the flexible rubber tip 0.5 inches in any direction. Flex Switch comes mounted on an angled metal rod. The rubber tip can be removed and rotated.

No Photograph Available

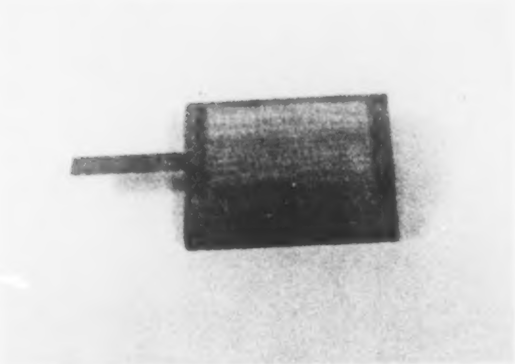
Product Name: Flexi-Switch

Vendor: Kapable Kids

Number of Switches: Single Switch

Cost: $16.00

The Flexi-Switches come covered in a variety of fabrics and are activated by bending or squeezing. A 7' cord is included.



Product Name: Flexit Switch

Vendor: Creative Switch Industries

Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $31.50 - $41.00

Flexit Switch is a single switch activated by bending a flexible strip. The strip protrudes from a wooden base. Flexit Switch is available in horizontal, vertical, or hand-held models. Activation is silent.

No Photograph Available

Product Name: Flexswitch II

Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Activation Pressure: 4 oz.

Cost: $32.20

Flexswitch II is a paddle switch with an integral mounting bracket. The switch is activated by bending the paddle.

Product Name: Grasp Switch (5865)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 10.5 oz.

Cost: $100.00

The Grasp Switch from TASH is a single switch that is activated by pinching or squeezing a 1" diameter rubber hand grip. The operating force is 10.5 oz.

Product Name: Grip & Puff Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $46.00

Grip & Puff Switch consists of a rubber cylindrical air bellows connected by a tube to a switching unit. Grasping the cylinder and exerting slight pressure activates the switching unit. Grips in varying diameters are available at additional cost. Removing the grip allows the switch to be used as a puff switch.

Product Name: Grip Switch

Vendor: Therapeutic Toys, Inc.

Number of Switches: Single Switch

Cost: $45.00

The Grip Switch is a ball shaped switch attached to a plastic base by a clear tube and activated by squeezing.

Product Name: HD Latching Pneumatic Switch

Vendor: Luminaud, Inc.

Number of Switches: Single Switch

Cost: $120.00

The HD (heavy duty) Latching Pneumatic Switch plugs into a 3-pin power recepticle, allowing control of 120 V appliances. The air cushion actuator may be mounted with screws, Velcro, or tape. Can be used safely in damp areas and washed. A puff version of this switch is available for those with sufficient breath power.

Product Name: Head Control Switch

Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $18.95

Head Control Switch is a single switch activated by being tilted. The switch can be mounted on the head or another body part.

Product Name: Head Position Interface

Vendor: Hugh MacMillan Rehabilitation Centre

Number of Switches: Joystick (4 or 5 Switches)

Connector Type: 6-pin DIN

Cost: $950.00

Head Position Interface is a switching unit that uses four mercury tilt switches to trigger switch closures based upon eight possible positions of the user's head. The control unit is mounted on the user's headband and plugs into the control box of the wheelchair. The seven positions are FWD, REV, FWD RIGHT, FWD LEFT, REV RIGHT, REV LEFT, and DIAG. There is also a neutral position.

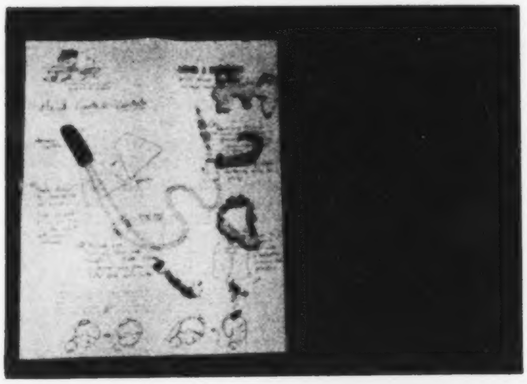
No Photograph Available

Product Name: Head Switch

Vendor: Toys for Special Children, Inc.

Cost: $75.00

The Head Switch is a switch that can be activated by small motions from any body part. Contact manufacturer for information on switch mounting kits (extra).



Product Name: Head Switch Kit

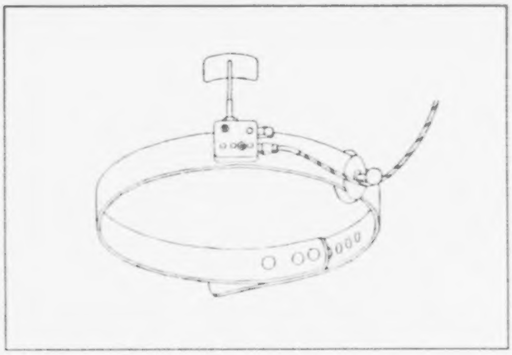
Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $11.50

Head Switch Kit provides all the materials for making a tilt-activated switch. The switch can be mounted on the head or other body parts, and is activated when tilted.



Product Name: Headband Switch

Vendor: Luminaud, Inc.

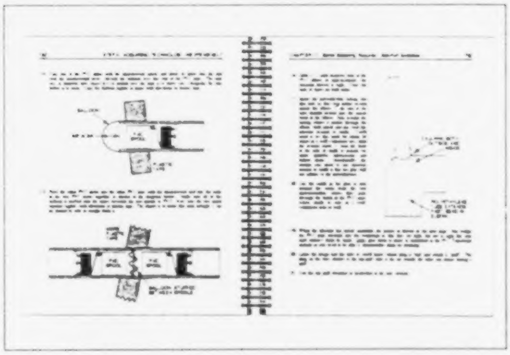
Number of Switches: Single Switch

Activation Pressure: 1 - 2 oz.

Connector Type: 3.5 mm phone plug

Cost: $65.00

Headband Switch consists of an adjustable headband equipped with a switch that has a small paddle for a lever. The paddle rests on the forehead; raising the forehead muscles activates the switch. The paddle must be taped to the forehead. The switch has a 3.5 mm plug.

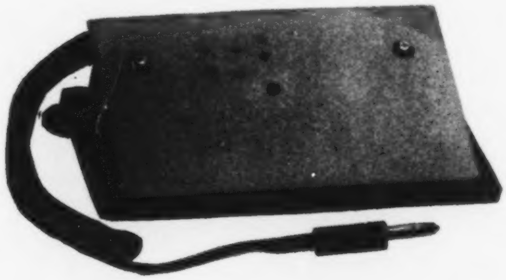


Product Name: High Tech/Low Cost

Vendor: TechnoGenesis, Inc.

Cost: $60.00

High Tech/ Low Cost is a manual and videotape that shows how to build assistive devices inexpensively. Projects range from simple switches to electronic AAC devices. Contact manufacturer for free brochure.



Product Name: Intention Switch

Vendor: Toys for Special Children, Inc.

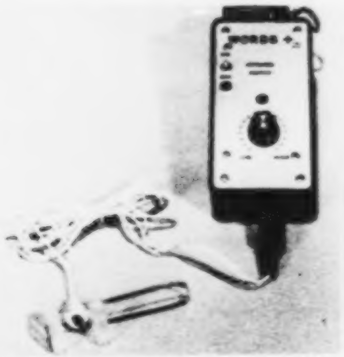
Number of Switches: Single Switch

Activation Pressure: 1 oz.

Connector Type: 1/4" or 1/8" phone plug

Cost: $46.00

Intention Switch is a single switch activated by pressing on a plastic plate. The Intention Switch must be pressed for a specific pre-set amount of time before it will activate a device. The required activation time is adjustable (0-12 seconds).



Product Name: IST Switch

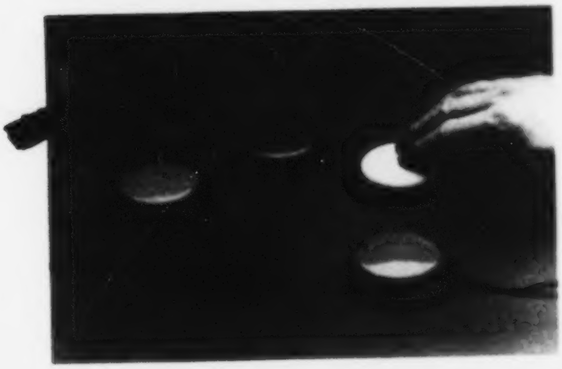
Vendor: Words+, Inc.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $295.00 - $495.00

The IST (Infrared, Sound, Touch) Switch (formerly Infrared Switch) is a zero-force switch that can be used with virtually any body movement. A sensitivity adjustment allows the switch to be set to detect different movements. The switch is $295.00 with any one of the sensors and $495.00 with all three.



Product Name: Jelly Bean

Vendor: AbleNet, Inc.

Number of Switches: Single Switch

Cost: $42.00

Jelly Bean is a switch activated by light pressure. The switch is contained in a shatter-proof disk which is two and one half inches in size. The entire surface of Jelly Bean is sensitive, so it can used while placed on a table, wall, or tray surface as well as operated through head control. A Jelly Bean Mounting Plate is available (extra). This switch comes in seven colors: red, green, yellow, blue, purple, pink, and black.

No Photograph Available

Product Name: Joystick

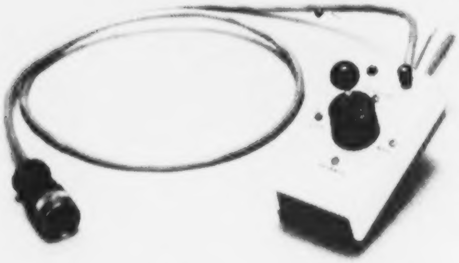
Vendor: Toys for Special Children, Inc.

Number of Switches: Joystick (4 or 5 Switches)

Connector Type: 1/4" or 1/8" phone plug

Cost: $50.00

This joystick has a cylindrical handle and a thin base. Pushing the handle in each of four directions activates one of four devices.



Product Name: Joystick Interface Control

Vendor: Hugh MacMillan Rehabilitation Centre

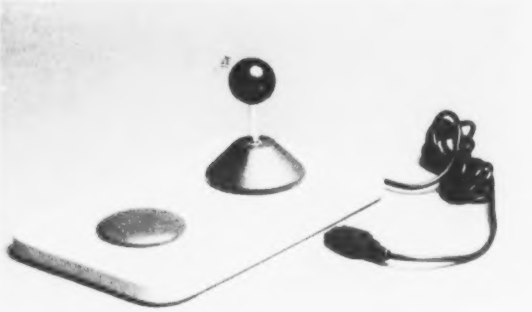
Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 1.13" travel

Connector Type: See text

Cost: $700.00

The Joystick Interface Control is a four-microswitch, non-gated, eight-position joystick that can activate switches individually or adjacent switches simultaneously. It is adaptable to communication aids using this kind of switching. The Joystick is of the "X" format and the push travel to activate the switches is 1-1/8". A variety of connectors, knobs and bars are available; contact Hugh MacMillan for details.



Product Name: Joystick with Pad Switch (5012)

Vendor: TASH, Inc.

Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 7 oz.

Connector Type: 9-Pin DIN

Cost: $275.00

Joystick with Pad Switch is a four position gated joystick, with four slotted directions of movement. The fifth switch is a pad switch used for control action.

No Photograph Available

Product Name: Jumbo Plate Switch

Vendor: Crestwood Company

Number of Switches: Single Switch

Activation Pressure: 2 oz.

Cost: $80.00

The Jumbo Plate Switch is large enough for a whole hand. The momentary switch is thin, durable, and requires a light touch. Surface color is orange.

Product Name: L.T. Switch

Vendor: Don Johnston Incorporated

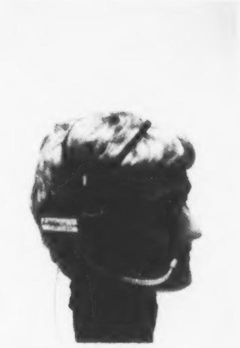
Number of Switches: Single Switch

Activation Pressure: 0.75 oz.

Connector Type: Mini-phone plug

Cost: $45.00

The L.T. Switch is designed for users with limited strength. The L.T. Switch is activated with 0.75 ounce of pressure, and emits a click when activated.



Product Name: LD Latching Puff Switch

Vendor: Luminaud, Inc.

Connector Type: 1/8" phone plug

Cost: $95.00

The LD (Light Duty) Latching Puff Switch latches mechanically to an on or off position. No external power is needed to maintain the latching action. A gentle puff of mouth air will set the switch to the on position and another gentle puff will turn it off. The switch is supported by a light weight head band.

No Photograph Available

Product Name: Leaf Switch

Vendor: Kapable Kids

Number of Switches: Single Switch

Connector Type: 1/8" plug

Cost: $25.00

The Leaf Switch is activated by swatting or random movement. A hardwood non-skid base and 7' cord are included.

Product Name: Leaf Switch

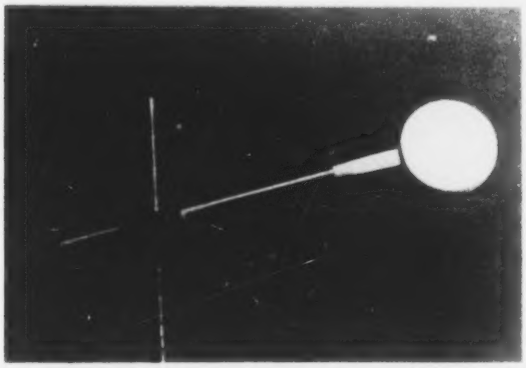
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $26.00

This switch consists of a vinyl covered flexible spring. When a very light, delicate touch is applied, the switch is activated. The deflection angle should not exceed 45 degrees.



Product Name: Leaf Switch (5860)

Vendor: TASH, Inc.

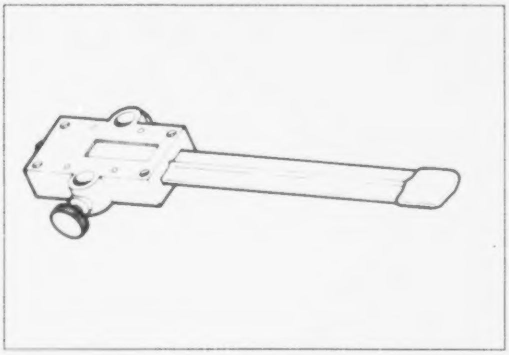
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: 1/8" phone plug

Cost: $100.00

The Leaf Switch is a single switch operated by pressing one side of the leaf. The tip of the leaf requires 1/4" of movement for operation. The Leaf Switch has a removeable 3" diameter foam pad. Mounting requires additional tubular mounting hardware.



Product Name: Leaf Switch: CM-2/CM-7

Vendor: Zygo Industries, Inc.

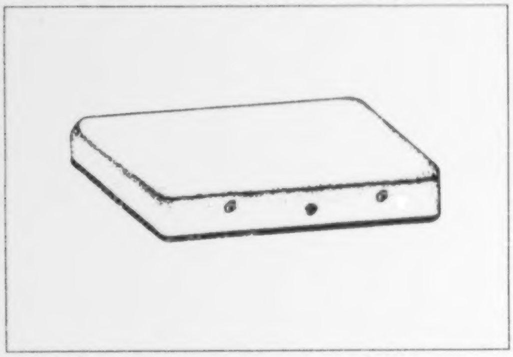
Number of Switches: Single Switch

Activation Pressure: 1 oz.

Connector Type: Mini-phone plug

Cost: $65.00

This switch has a protruding flat vinyl-covered metal leaf. Any flexion of the leaf activates a switch. The base has holes for mounting. Two different leaf lengths are available.



Product Name: Left/Right Rocker Switch

Vendor: Don Johnston Incorporated

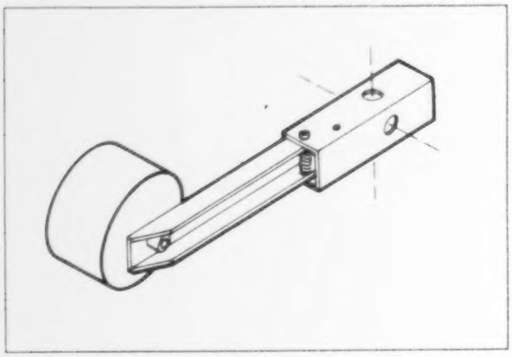
Number of Switches: Dual Switch

Activation Pressure: 5 oz.

Connector Type: 1/8" phone plug

Cost: $75.00

Left/Right Rocker Switch is a dual switch activated by pressing the plate on either side. Pressing one end activates one switch; pressing the other end activates the second. An auditory click is produced when a switch is activated.



Product Name: Lever Switch: CM-8/CM-9

Vendor: Zygo Industries, Inc.

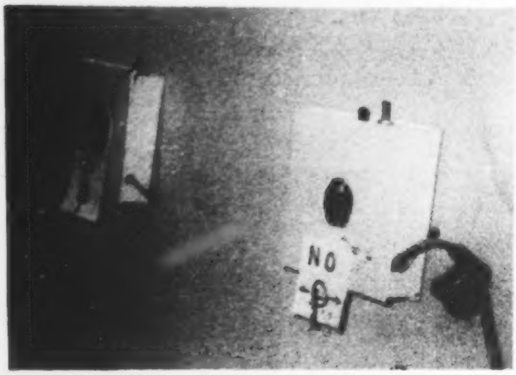
Number of Switches: Single Switch

Activation Pressure: 4 - 8 oz.

Connector Type: Mini-phone plug

Cost: $110.00

This switch is activated by pressing against a padded lever. The lever must travel 0.06" for activation. Switch CM-8 is 9" long; switch CM-9 is 7" long. A variety of mounting systems are available, including double-sided and quick-adjust swing-away.



Product Name: Light-Activated Switch

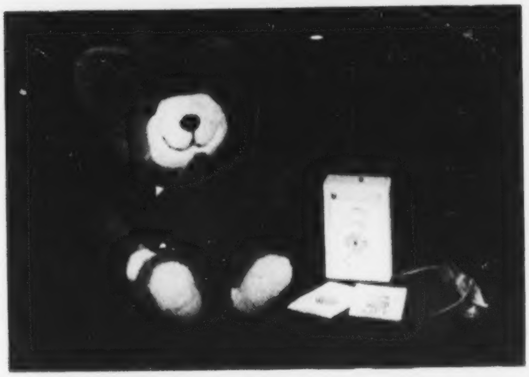
Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $49.95

Light-Activated Switch is a switch activated by directing a light pointer at a light-sensitive panel. A Light Pointer is available from the same manufacturer (see entry); certain models by other manufacturers will also work.



Product Name: LightSwitch

Vendor: Ability Research, Inc.

Number of Switches: Single Switch

Cost: $139.00

The LightSwitch is a light-activated switch which can control electronic devices and toys. The switch is activated by using a light pointer or a penlight (extra). When a light spot of up to 3" in diameter is directed at this switch it responds by providing a switch closure. The switch can be activated for a moment, by using a pushbutton, or continously, by using the on/off control. Two press-on overlays are included.

No Photograph Available

Product Name: Low Force Adjustable Rod Switch

Vendor: Creative Switch Industries

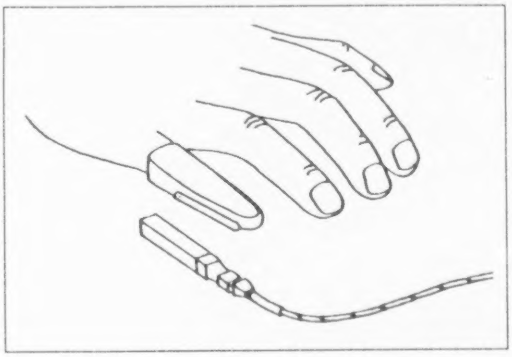
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $82.00

Low Force Adjustable Rod Switch is a single switch activated by pushing or pulling on a thin 6" rod. The rod bracket can be adjusted 360 degrees horizontally, and the rod can be adjusted 270 degrees vertically. The rod can also be bent to form a loop or other desired configuration.



Product Name: Magnetic Finger Switch

Vendor: Luminaud, Inc.

Number of Switches: Single Switch

Activation Pressure: 0.38" movement

Connector Type: 3.5 mm phone plug

Cost: $45.00

Magnetic Finger Switch consists of a finger sleeve containing a magnet, plus a small external switch unit. A small movement of the finger toward the switch unit activates the switch. The switch has a 3.5 mm plug.

No Photograph Available

Product Name: Mat Switch

Vendor: Creative Switch Industries

Connector Type: 3.5 mm phone plug

Cost: $53.00 - $146.00

Mat Switches are flexible mats available in three sizes (small 6" x 23" with 18" cord; medium 17" x 23" with 6' cord; large 23" x 35" with 6' cord) with a switch that requires five pounds of pressure to activate. All mats are equipped with a 3.5 mm miniature plug and washable denim covers.

No Photograph Available

Product Name: Membrane Plate Switch

Vendor: Crestwood Company

Number of Switches: Single Switch

Activation Pressure: 2.0 oz.

Connector Type: Mini-phone plug

Cost: $60.00

The Membrane Plate Switch is a thin membrane switch operated by 2.0 ounces of force. The Membrane Plate Switch comes with a five foot cable and a mini-phone plug connector.

No Photograph Available

Product Name: Mercury Switch

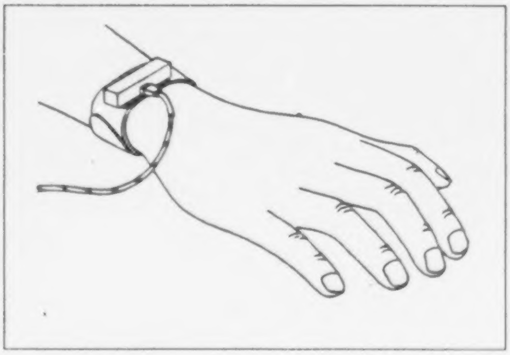
Vendor: Creative Switch Industries

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $16.50 - $27.50

Mercury Switch is a single switch activated by tilting. Three models of handles are available: miniature cylinders for head mounting, wood handles, and plastic tubes for hand use.



Product Name: Mercury Tilt Switch

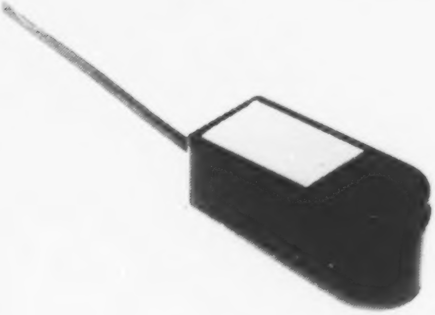
Vendor: Luminaud, Inc.

Number of Switches: Single Switch

Connector Type: 3.5 mm phone plug

Cost: $45.00

Mercury Tilt switch is activated by a change in position. This switch comes with a Velcro band for attaching to the wrist, arm, leg, etc. The switch has a 3.5 mm plug.



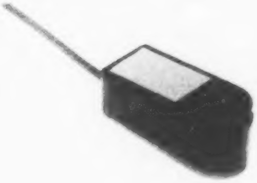
Product Name: Micro Light Switch (5850)

Vendor: TASH, Inc.

Activation Pressure: 0.5 oz.

Cost: $60.00

Micro Light Switch is a pressure switch requiring 0.5 oz. of pressure for activation. The switch features a threaded screw insert (screw must be purchased separately) or may be mounted with double-sided tape or Velcro.



Product Name: Micro Switch

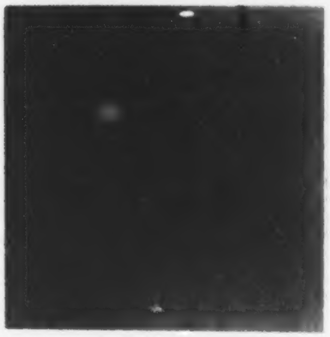
Vendor: Crestwood Company

Number of Switches: Single Switch

Activation Pressure: 0.5 oz.

Cost: $55.00

The Micro Switch is a small, light pressure, highly sensitive switch. A threaded insert on the bottom is provided for mounting using a stand 4-40 screw obtained from any electronic store.



Product Name: Mini Cup Switch (5808)

Vendor: TASH, Inc.

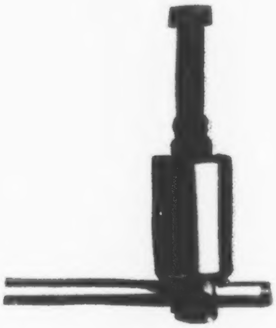
Number of Switches: Single Switch

Activation Pressure: 5 oz.

Connector Type: 3.5 mm phone plug

Cost: $40.00

This is the smallest single switch produced by TASH, Inc. As with the larger Cup Switch, it is a Cap Switch in a plastic base which provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface.



Product Name: Mini Joystick with Push Switch (5020)

Vendor: TASH, Inc.

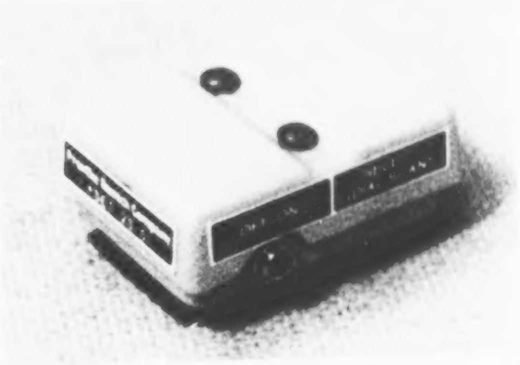
Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 4 - 7 oz.

Connector Type: 9-Pin DIN

Cost: $230.00

Mini Joystick with Push Switch is a four position short stroke (0.5") ungated joystick with a flexible rubber shaft. This joystick can have two switch closures simultaneously, such as moving both diagonally and down the screen. Pushing down on the shaft activates the fifth switch.



Product Name: Mini Rocking Lever Switch

Vendor: Prentke Romich Company

Number of Switches: Dual Switch

Activation Pressure: 1.7 oz.

Connector Type: Mini-phone plug

Cost: $165.00

Mini Rocking Lever Switch is a small dual switch operated by pressing the plate on top. Pressing one side activates one switch; pressing the other side activates the other. Hook-and-loop type material for mounting comes on the bottom.

No Photograph Available

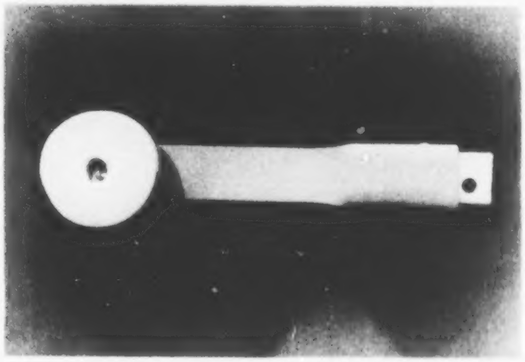
Product Name: Minimal Motion Splint-Mounted Switch Kits

Vendor: Equal Access Computer Technology, Inc.

Activation Pressure: None

Cost: $220.00 - $570.00

Minimal Motion Splint-Mounted Switch Kits are zero-force contact-sensitive switches for mounting on thermoplastic splints. Each kit can accomodate from one to seven switches. Available with 1/8" plug terminations for standard switch applications, or with a serial port interface for use with the Minimal Motion Computer Access System.



Product Name: Mounting Switch

Vendor: Don Johnston Incorporated

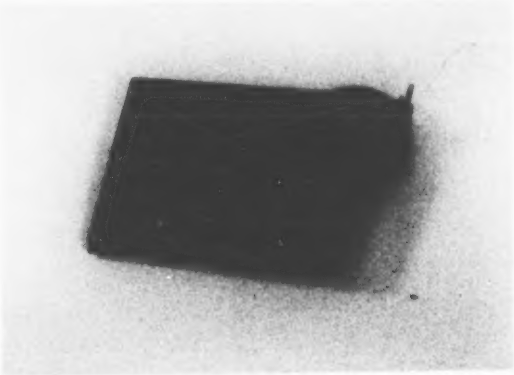
Number of Switches: Single Switch

Activation Pressure: 1 - 3 oz.

Connector Type: 1/8" phone plug

Cost: $85.00

The Mounting Switch is a versatile switch that may be mounted in a variety of locations and shaped for optimal positioning. The activation pressure of the Mounting Switch may be adjusted from one to three ounces. An audible click is emitted by the Mounting Switch when the switch is closed.



Product Name: Multi-Control Press Switch

Vendor: Creative Switch Industries

Number of Switches: Dual Switch, Multiple switches (3 to 16 Switches), Single Switch

Activation Pressure: 1.5 lbs.

Connector Type: Mini-phone plug

Cost: $82.00 - $87.00

Multi-Control Press Switch is a single, dual or triple switch. One switch is activated by pressing on a large plate. One or two side bars requiring slightly higher activation pressure comprise the other switches.

No Photograph Available

Product Name: Normally Closed Sensing Cell

Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Activation Pressure: 2.5 lbs.

Cost: $25.90

Normally Closed Sensing Cell is a low profile, sealed sensing switch in wafer form.

No Photograph Available

Product Name: Normally Open Sensing Cells

Vendor: Tapeswitch Corporation

Activation Pressure: 2.5 lbs.

Cost: $7.50

Normally Open Sensing Cells are low profile, sealed sensing switches in wafer form.

No Photograph Available

Product Name: Omron Switch

Vendor: Nassau Applied Technology Resource Center

Cost: $63.00 - $89.00

Omron Switch is a switch operated by flexing the thin strip that is attached to a base. A model with an internal buzzer is also available.

No Photograph Available

Product Name: Overhead Pull Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $42.00

The Overhead Pull Switch is activated by pulling down. The switch is mounted on a flexible 13" gooseneck and can be attached to most surfaces via a three-way clamp. Comes with interchangeable ring and pull-ball.

Product Name: P-Switch

Vendor: Prentke Romich Company

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $265.00

The P-Switch is a sensitive electronic switch which can be activated by almost any muscle movement. When any surface in contact with the switch moves (e.g., the skin of the forehead when the brow is wrinkled), the wafer sends a signal to the switch unit. Sensitivity of the P-Switch can be adjusted. Light and optional audible tone indicate when the switch is activated.

No Photograph Available

Product Name: Patty Cake Press

Vendor: Kapable Kids

Number of Switches: Single Switch

Activation Pressure: 4 oz.

Cost: $28.00

The Patty Cake Press is a circular switch with ten contact points for activation. Pressure anywhere on the textured pad will activate the switch. Available in assorted fabrics.

Product Name: Penta Switch (5024)

Vendor: TASH, Inc.

Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4 oz.

Connector Type: 9-Pin DIN

Cost: $150.00

Penta Switch is a set of five small button switches fitted in a disk-shaped housing.

No Photograph Available

Product Name: Petite Pillow Switch

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone plug

Cost: $28.00

The Petite Pillow Switch is a foam-encased switch covered with a removable soft velvet bag. The Petite Pillow is designed for users with limited head and limb movement. Hook and loop tape can be sewn to the cover for mounting.

No Photograph Available

Product Name: Photocell Switch

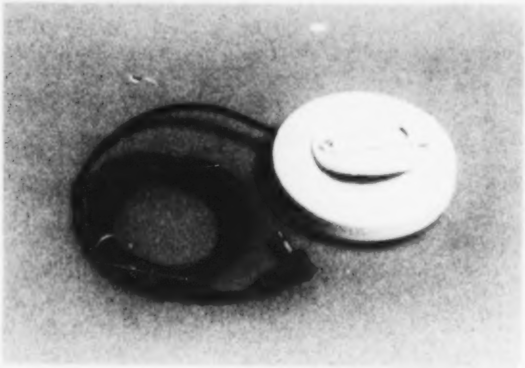
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $41.00

The Photocell Switch can be activated by any body movement that creates a shadow over the electronic photocell.



Product Name: Pillow Switch (5875)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 6 oz.

Connector Type: 1/8" phone plug

Cost: $80.00

The Pillow Switch is a single switch operated by pressing the top foam surface. A pin and a velcro strip are attached to the bottom of the switch for fastening to a pillow or to clothing.

No Photograph Available

Product Name: Pinch Switch

Vendor: Creative Switch Industries

Number of Switches: Single Switch

Activation Pressure: 2 lbs.

Connector Type: Mini-phone plug

Cost: $16.50 - $17.00

Pinch Switch is a single switch activated by pinching on a small round or rectangular tab. Activation is silent.

Product Name: Pinch Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $21.00

This switch consists of a small, thin, wafer-like wand. The user pinches lightly on the wafer and the switch is activated.

Product Name: Plate Switch

Vendor: Don Johnston Incorporated

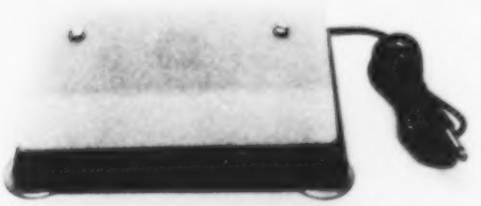
Number of Switches: Single Switch

Activation Pressure: 3 oz.

Connector Type: Mini-phone plug

Cost: $45.00

This Plate Switch is activated by 3 ounces of pressure, and offers a click as audible feedback.



Product Name: Plate Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $17.00 - $50.00

Plate Switches are available as a momentary switch, with a timer, with a latch, and with a counter. Other models available include: Vibrating Plate, Lighted Musical Plate switch, Music Box Plate Switch, Mirror Plate Switch, Lighted Plate Switch, Sensory Plate Switch, and Lighted Sensory Plate Switch.

Product Name: Plate Switch (5830-34)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: 1/8" phone plug

Cost: $60.00

This Plate Switch is a very thin single membrane switch. A colored circle on the surface marks the pressure sensitive area. Available in red, green, yellow, blue and orange.

Product Name: Plate Switch On Stand

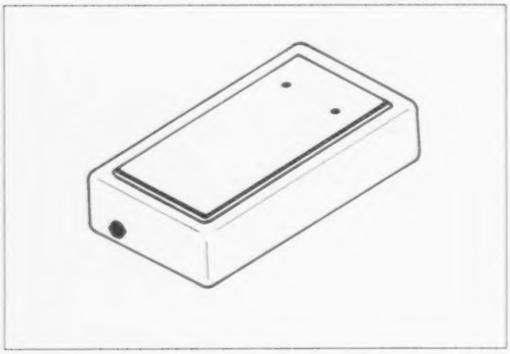
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $38.00

Plate Switch on Stand is a switch activated by pressing on a plate. The switch is mounted on a gooseneck which has a stand for stability.



Product Name: Plate Switch: CM-10

Vendor: Zygo Industries, Inc.

Number of Switches: Single Switch

Activation Pressure: 1.5 oz.

Connector Type: Mini-phone plug

Cost: $95.00

This single switch is activated by pressing on the plate on top. An audible click accompanies activation.

No Photograph Available

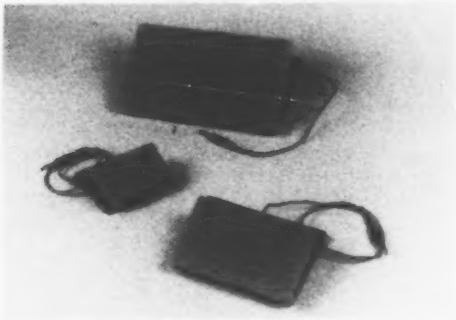
Product Name: Plate Switches

Vendor: Nassau Applied Technology Resource Center

Number of Switches:
Multiple switches (3 to 16 Switches), Single Switch

Cost: $34.50 - $76.00

Plate Switches are single switches activated by pressing on the large top. Several models are available: standard, with internal buzzer, with internal light and buzzer, angled, angled with internal buzzer, angled with internal light and buzzer, and three shape (three switches in one).



Product Name: Plate Switches

Vendor: Therapeutic Toys, Inc.

Number of Switches: Single Switch

Cost: $24.00 - $55.00

Plate Switches are available in three sizes and several operating modes. The large switch is available only as a momentary switch. The small switch is available as a momentary or latching switch. The medium switch is available as a momentary, latching, momentary with music, momentary with vibration, and momentary with light switch.

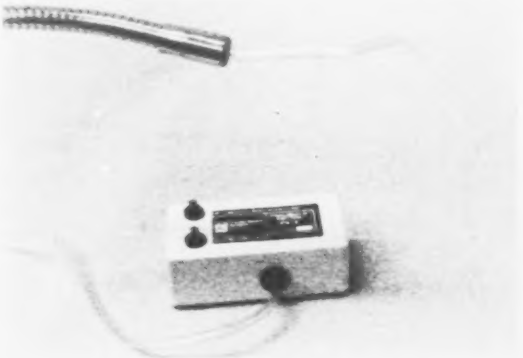
No Photograph Available

Product Name: Play Mat Switch

Vendor: Kapable Kids

Cost: $36.95

The Play Mat Switch operates as a momentary switch. Switch closure can be made by rolling, jumping, patting, hopping, or shifting weight on the mat.



Product Name: Pneumatic Switch

Vendor: Prentke Romich Company

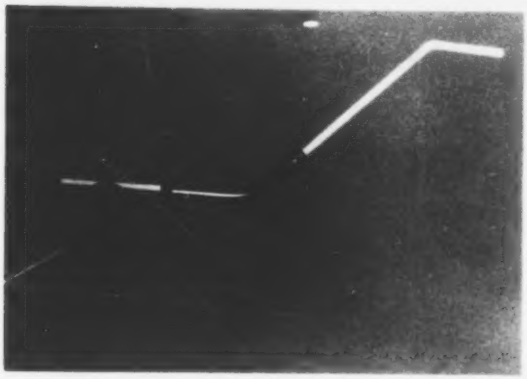
Number of Switches: Dual Switch

Activation Pressure: 4 cm of water

Connector Type: Mini-phone plug

Cost: $300.00

Pneumatic Switch is a dual switch activated by sipping or puffing. A tube (which can be mounted for convenient access) has a mouthpiece attached. The user sips or puffs on the mouthpiece, and the change in air pressure is transferred along the tube to a switching unit. This unit activates one switch for sipping, one for puffing.



Product Name: Pneumatic Switch (5100, 5101)

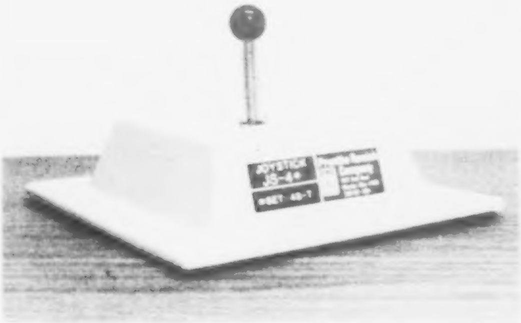
Vendor: TASH, Inc.

Number of Switches: Dual Switch

Connector Type: 5-Pin DIN

Cost: $235.00

Pneumatic Switch is a dual switch operated by breathing through a tube. Sipping activates one switch; puffing activates the other. Pneumatic Switch has an internal saliva trap which can be cleaned. The mouthpiece is a disposable straw. Model 5101 is the pneumatic switch on an extended tube.



Product Name: PRC Joystick

Vendor: Prentke Romich Company

Number of Switches: Joystick (4 or 5 Switches)

Activation Pressure: 5.1 oz.

Connector Type: DC 9

Cost: $230.00

The PRC joystick is activated by pushing the handle in any of four directions. Each direction activates one of four switches. When used to control a scanning device, pushing diagonally may allow for diagonal scanning.

Product Name: Pressure Switch

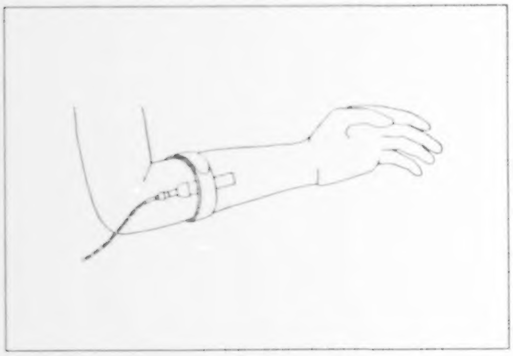
Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $24.50

Pressure Switch is a single switch activated by lightly pressing on a large plastic plate. The plate is 7" x 10" and the base of the switch is made of wood.



Product Name: Pressure Switch

Vendor: Luminaud, Inc.

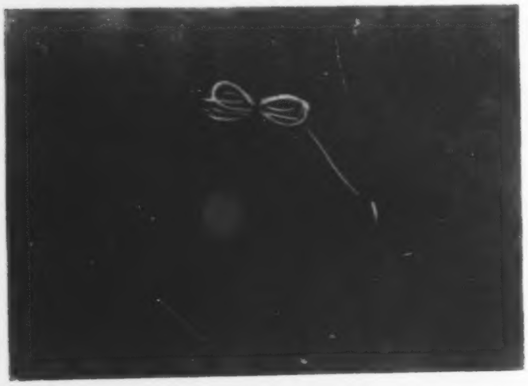
Number of Switches: Single Switch

Activation Pressure: Adjustable

Connector Type: 3.5 mm phone plug

Cost: $45.00

Pressure Switch is designed to be worn on the upper arm, lower arm, knee, etc. Pressure against the switch activates it.



Product Name: Pull Switch

Vendor: Burkhart, Linda J.

Number of Switches: Single Switch

Connector Type: Mini-phone plug

Cost: $18.95

Pull Switch is a single switch activated by pulling on a ring attached to a cord. The switch is designed to be suspended above the user with the ring hanging down.

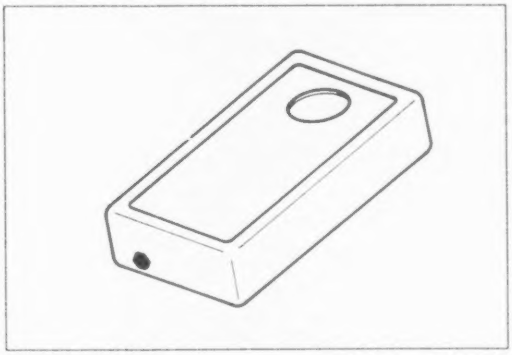
No Photograph Available

Product Name: Pull Switch

Vendor: Toys for Special Children, Inc.

Cost: $25.00

Pull Switch is activated by a gentle tug on a ball. Suction cups are included for mounting.



Product Name: Pushbutton Switch: CM-11

Vendor: Zygo Industries, Inc.

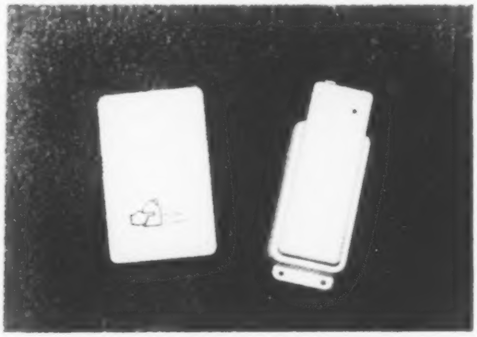
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $95.00

Pushbutton Switch is a single snap-action switch. To activate the switch, the user presses a round button located in a 1.25" diameter recess.



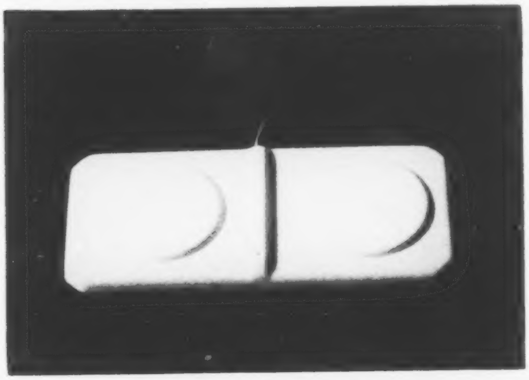
Product Name: Remote Ability Switch Adapter

Vendor: Easy Home Control

Number of Switches: Single Switch

Cost: Contact manufacturer

The Remote Ability Switch Adapter converts almost any ability switch into a wireless. The ability switch is plugged into the transmitter and the receiver is plugged into the controlled device, allowing the switch to work up to 50 feet away. The remote has a three position channel to prevent other transmitters from triggering the switch.



Product Name: Rocker Switch (5505)

Vendor: TASH, Inc.

Number of Switches: Dual Switch

Activation Pressure: 5 oz.

Connector Type: 5-Pin DIN

Cost: $110.00

The Rocker Switch is a dual switch operated by pressing either side of the switch. The Rocker Switch may be used to control a device requiring two switches for operation, or to control two devices requiring a single switch.

Product Name: Rocking Plate Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Dual Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $27.00 - $36.00

Rocking Plate Switch ($27.00) and Small Rocking Switch ($36.00) are dual switches activated by pressing on either end of a long plate. Pressing one end activates one switch; pressing the other end activates the second. Suction cup feet are provided for stability.

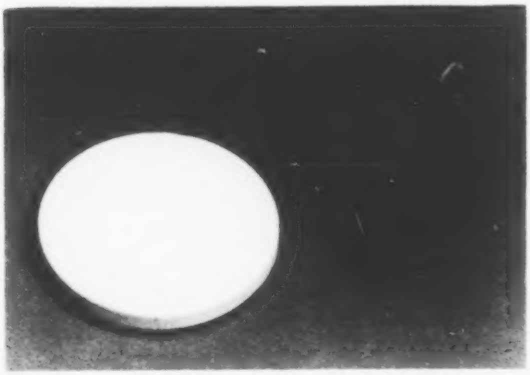
No Photograph Available

Product Name: Roller Switch Music Box

Vendor: Toys for Special Children, Inc.

Cost: $33.00

The Roller Switch Music Box is a wooden cylinder switch that may be attached to a toy or other device. The device is activated when the cylinder is rolled in either direction. The switch will play music when no device is attached.



Product Name: Round Pad Switch (5805)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 6 oz.

Connector Type: 1/8" phone plug

Cost: $70.00

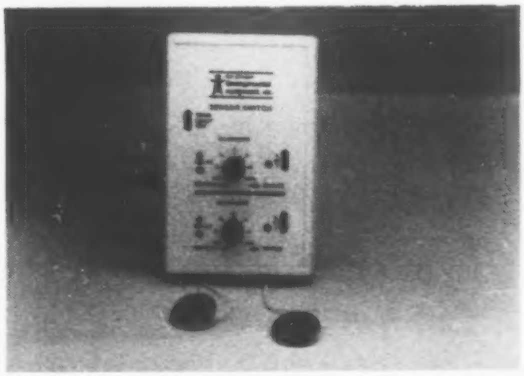
Round Pad Switch is a disk-shaped single switch activated by pressure on the top surface.

Product Name: SCATIR Switch

Vendor: Artificial Language Laboratory

Cost: $145.00

The Self-Calibrating Auditory Tone Infrared (SCATIR) switch is activated by the movement of any body part from a distance of up to 3" from the sensor. Two modes (manual and self-calibrating) set this activation distance. A gooseneck mounted sensor is available for $30.00.



Product Name: Sensor Switch

Vendor: Don Johnston Incorporated

Number of Switches: Single Switch

Cost: $285.00

The Sensor Switch is a dual switch activated by small controlled muscle movement. Auditory and visual feedback is provided. The switch comes with a head band for mounting. The switch operates in latch, timed, or momentary modes.

Product Name: Shadow Switch

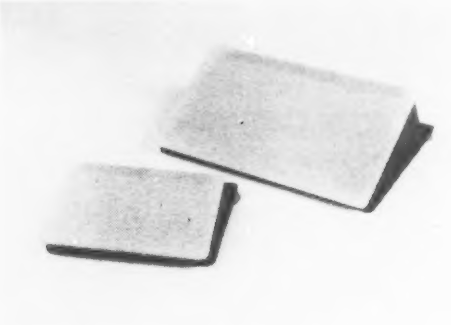
Vendor: Crestwood Company

Number of Switches: Single Switch

Connector Type: 1/8" phone plug

Cost: $74.95

The Shadow Switch is a patented switch that is activated when the user waves a hand over the photocell and blocking incoming light on the top. Can be used in momentary and latching modes.



Product Name: Signal Buzzer Plate

Vendor: Therapeutic Toys, Inc.

Number of Switches: Single Switch

Cost: $30.00 - $39.95

The Signal Buzzer Plate is a large, yellow, rectangular plate switch available in two sizes.

No Photograph Available

Product Name: Signal Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $25.00

The Signal Switch is a low-profile, very sensitive switch with texture to encourage activation.

Product Name: Single Rocking Lever Switch

Vendor: Prentke Romich Company

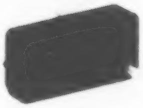
Number of Switches: Single Switch

Activation Pressure: 1.2 - 3.9 oz.

Connector Type: Mini-phone plug

Cost: $75.00

Single Rocking Lever Switch is a single switch activated by depressing the plate on top. The switch housing is made of plastic, has rubber feet on the bottom and a threaded hole for mounting. Single Rocking Lever Switch comes in two models: low and medium force.



Product Name: Sip & Puff Switch
Vendor: Toys for Special Children, Inc.
Number of Switches: Single Switch
Connector Type: 1/4" or 1/8" phone plug
Cost: $37.00

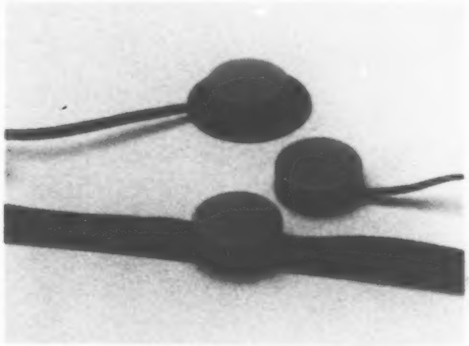
This single switch is activated by either sipping or puffing into a tube. The tube is attached to a housing where the actual switch is located.

Product Name: Snappy Switch
Vendor: ORCCA Technology, Inc.
Cost: $39.00

Snappy Switch is a grip switch with an elastic loop that keeps the switch in the user's hand and is activated by squeezing. The soft foam Snappy Switch features tactile feedback.

Product Name: Soft Switch (5820, 5821)
Vendor: TASH, Inc.
Number of Switches: Single Switch
Activation Pressure: 29 oz.
Connector Type: 1/8" phone plug
Cost: $75.00

Soft Switch is a single switch with a soft surface. Soft Switch comes in a velvet bag that can be removed and washed.



Product Name: Specs Switch

Vendor: AbleNet, Inc.

Cost: $42.00

The Specs Switch is round switch that is activated by light pressure. The switch comes with three interchangeable bases: a flush base, flange base, and a strap-adaptable base. The switch is designed to be easily mounted in a variety of configurations. Seven colors are available: red, blue, green, yellow, black, pink, and purple.

Product Name: Sponge Nurse Call Switch

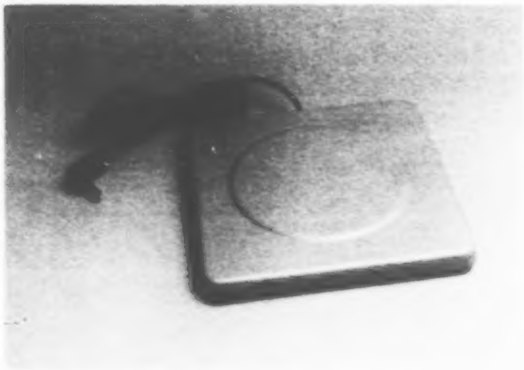
Vendor: Dickey Engineering

Number of Switches: Single Switch

Connector Type: 1/4" phone plug

Cost: $62.50

The Sponge Nurse Call Switch is a cloth covered single switch. Any slight movement may activate the switch. A ten foot cord is provided with a 1/4" phone plug. A miniature plug is also available.



Product Name: Square Pad Switch (5810)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 21 oz.

Connector Type: 1/8" phone plug

Cost: $80.00

Square Pad Switch is a large single switch operated by pressing the top surface. A large target area is designed to compensate for the user's lack of controlled movement.

No Photograph Available

Product Name: Squeeze Switch

Vendor: Kapable Kids

Number of Switches: Single Switch

Connector Type: 1/8" plug

Cost: $20.00

The Squeeze Switch is a foam covered switch with fabric enclosure and is designed to encourage maintained grasp. Minimal resistance and moderate resistance models are available. Both come with a 7' cord.

No Photograph Available

Product Name: Standard Paddle Switch

Vendor: Creative Switch Industries

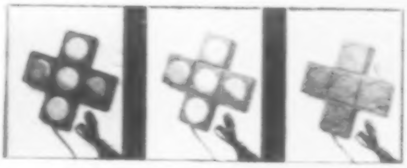
Number of Switches: Single Switch

Activation Pressure: 2 oz.

Connector Type: Mini-phone plug

Cost: $34.50

Standard Paddle Switch is a single switch activated by pushing on a plastic 4" x 4" plate. The base of the switch is made of oak; the cord is three feet long.



Product Name: Star Switch (5026)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 4 oz.

Cost: $180.00

The Star Switch contains five mechanical switches arranged in the shape of a plus sign. The 2.25" keys are slightly recessed. Tactile and auditory feedback are provided by the switch.

Product Name: String Switch

Vendor: AbleNet, Inc.

Activation Pressure: 0.5 oz.

Cost: $26.00

The String Switch consists of a pull cord attached to a microswitch. A string or piece of yarn can be attached to lengthen the pull cord; the string is wrapped around any moveable body part and activated with less than 0.5 oz. of pressure.

No Photograph Available

Product Name: String Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Activation Pressure: 0.5 oz.

Connector Type: 1/4" or 1/8" phone plug

Cost: $19.00

The String Switch is activated by pulling on a string. The switch has suction cups for convenient attachment to most surfaces. For users who have poorly controlled movements, it is helpful to attach a rubber band "shock absorber" between the user and the switch.

No Photograph Available

Product Name: Super-Sensitive Normally Open Switch

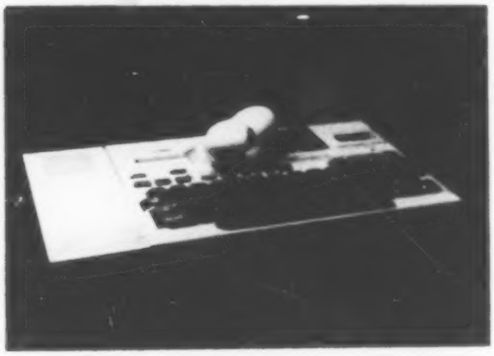
Vendor: Tapeswitch Corporation

Number of Switches: Single Switch

Activation Pressure: 1 oz.

Cost: $85.40

Super-Sensitive Normally Open Switch is a switch activated by 1 oz. of pressure on a small button.



Product Name: Switchskins

Vendor: Embracing Concepts, Inc.

Cost: $25.00 - $70.00

Switchskins are pre-molded, form-fitting, pliable protective membranes for a variety of switches and power chair controls. Switchskins are made from abrasion and puncture resistant clear plastic film and are available for many devices made by TASH, AbleNet, Zygo, and Prentke Romich as well as joystick and chin controls for powered wheelchairs. Custom molded membranes can be made.

No Photograph Available

Product Name: Tactile Touch Pad

Vendor: Kapable Kids

Number of Switches: Single Switch

Activation Pressure: 4 oz.

Connector Type: 1/8" plug

Cost: $25.00 - $27.00

The Tactile Touch Pad is designed with four point contact to activate with a very light touch. The lightweigh plastic frame with fabric top is designed to enhance sensory awareness. A 7' cord is included. The small touch pad sells for $25.00 and the large touch pad for $27.00.

Product Name: Taction Pads

Vendor: Adaptivation, Inc.

Number of Switches: Single Switch

Cost: $12.50 each

Taction Pads are see-through touch sensitive switches that allow most objects or surface areas to be turned into switches. Three sizes are available: 2" x 4" rectangle, 1.5" x 10" arc, and 24" x .1" strip. Taction Pads were designed to operate with Adaptivation's line of devices and will not work with other devices unless accompanied by the LinkSwitch (see entry).

No Photograph Available

Product Name: TAS Switch

Vendor: Artificial Language Laboratory

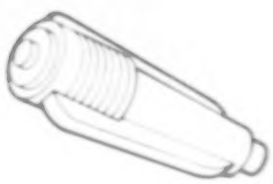
Number of Switches: Single Switch

Activation Pressure: 1.5 oz.

Connector Type: 3.5 mm jack

Cost: $50.00

The TAS (Totally Active Surface) Switch is a momentary contact switch which can be activated by pressing any point on its surface. TAS responds when pressed with both an auditory and tactile click. Activation pressure can be decreased by adjustment or by replacing the microswitch with a more sensitive model. Mounting holes are provided.



Product Name: Thumb Switch: CM-5

Vendor: Zygo Industries, Inc.

Number of Switches: Single Switch

Activation Pressure: 20 oz.

Connector Type: Mini-phone plug

Cost: $50.00

Thumb Switch is a conical housing with a button switch located at one end. The switch is held in the palm of the hand, and the button is pressed with the thumb. The switch is styled as a traditional nursing call alarm switch.

Product Name: Tilt Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $19.00

Tilt Switch is a small unit containing a single mercury switch. When the unit is tilted, the switch is activated. The unit is mounted on a band which can be strapped to the desired part of the body.

Product Name: Tip Switch (5840)

Vendor: TASH, Inc.

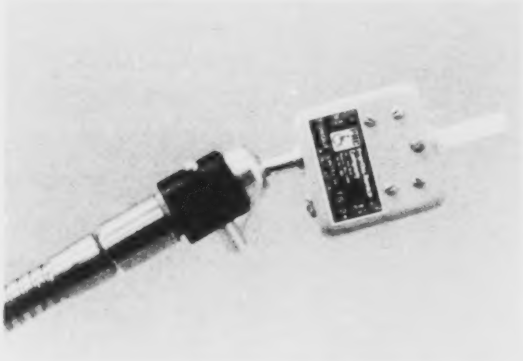
Number of Switches: Single Switch

Activation Pressure: 5 degree tilt

Connector Type: 3.5 mm phone plug

Cost: $60.00

Tip Switch is a mercury switch with smooth surface to allow easy mounting/positioning. The switch is operated by tipping it 5 degrees from its horizontal position.



Product Name: Tongue Switch

Vendor: Prentke Romich Company

Number of Switches: Dual Switch

Activation Pressure: 1.7 oz.

Connector Type: Mini-phone plug

Cost: $135.00

Tongue Switch is a dual switch activated by pushing up or down on a short lever. The switch has a threaded hole for mounting, for easier access by the body part used to activate it.

No Photograph Available

Product Name: Tongue Switch

Vendor: Toys for Special Children, Inc.

Cost: $26.00 - $52.00

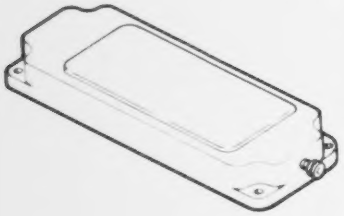
Tongue Switch is activated by slight lateral tongue movements against a protruding spring lever. Three models are available: one without the gooseneck mounting stand ($26.00), one single switch with gooseneck ($49.00), and one double switch with gooseneck ($52.00).

289

No Photograph Available

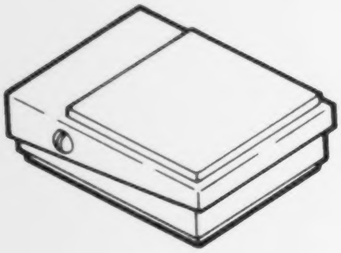
Product Name: Touch Pads
Vendor: Tapeswitch Corporation
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Cost: $25.10

Touch Pads are sealed, moisture-resistant, pressure-activated switches available in two sizes.



Product Name: Touch Switch: CM-4
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 3 oz.
Connector Type: Mini-phone plug
Cost: $90.00

Touch Switch is a single switch activated by very light pressure on a plastic plate.



Product Name: Tread Switch: CM-1
Vendor: Zygo Industries, Inc.
Number of Switches: Single Switch
Activation Pressure: 5 oz.
Connector Type: Mini-phone plug
Cost: $60.00

Tread Switch is a single switch operated by depressing a treadle type lever. An audible click accompanies activation. The lever and the bottom of the switch are foam rubber coated. A tapped mounting hole is provided on the bottom of the switch.

Product Name: Treadle Switch (5880)

Vendor: TASH, Inc.

Number of Switches: Single Switch

Activation Pressure: 25 oz.

Connector Type: 1/8" mini-phone plug

Cost: $35.00

Treadle Switch is a single switch operated by pressing the hinged top surface. This switch allows the user to rest the body part used for activation on the switch's surface between activations.

No Photograph Available

Product Name: Twin Plate Switch

Vendor: Crestwood Company

Number of Switches: Dual Switch

Activation Pressure: 2 oz.

Cost: $115.00

Twin Plate Switch is a momentary pressure switch with two membrane switches in red and yellow built into one unit. Two five-foot cables are included.

No Photograph Available

Product Name: Twinkle Switch

Vendor: ACS Technologies, Inc.

Number of Switches: Dual Switch, Single Switch

Cost: Contact manufacturer

The Twinkle Switch is operated by left to right eye movement for use with any scanning device. The Twinkle Switch system includes two electrodes placed on the sides of the face, a remote sender, and a remote receiver.

No Photograph Available

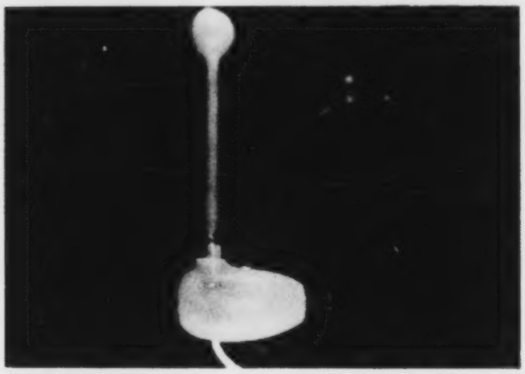
Product Name: Twitch Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Cost: $65.00

The Twitch Switch is activated by small muscle movement, such as wrinkling the forehead, and can be adjusted to increase or decrease the amount of muscle movement needed to activate it. Non irritating tape attaches the sensor to the forehead, arm, or other part. The Twitch Switch can be operated in latch, momentary, or time mode.



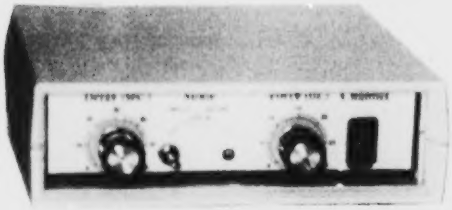
Product Name: Ultimate Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Cost: $42.00 - $65.00

Ultimate Switch is a universal switch which requires only one gram of activating force. The switch may be mounted in a variety of ways so that any body part can be used for activation. Alone the switch is $42.00, with a clamp and gooseneck it is $65.00.



Product Name: Universal Adaptive Switch System

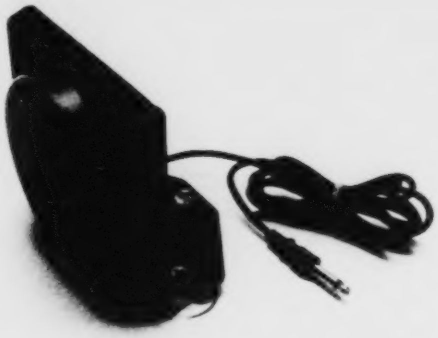
Vendor: Academic Software, Inc.

Number of Switches: Dual Switch,
Multiple switches (3 to 16 Switches), Single Switch

Activation Pressure: 1 oz. - 30 oz.

Cost: $195.00 - $250.00

The Universal Adaptive Switch (UAS) is a low-voltage DC switch with momentary, latching, and time-delay modes and remote control capability. The UAS works with any single switch to control various devices. With the built-in transmitter option, UAS can control up to nine remote receivers. Time delay is variable up to 90 seconds; remote control range is approximately 50 feet.



Product Name: Vertical Plate Switch

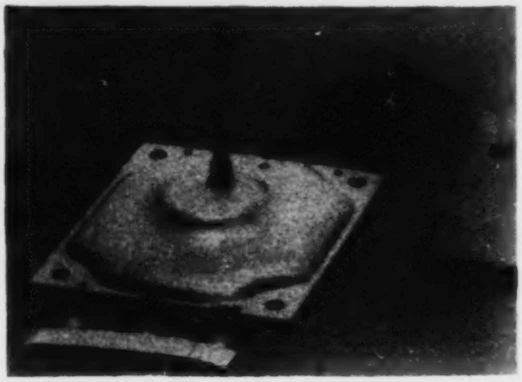
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $36.00

Vertical Plate Switch is a switch activated by pressing a circular plate. The plate is mounted on a right-angle bracket to allow it to be activated from the side. The bracket can be attached to a horizontal surface with provided suction cups, screws, or double-sided tape.



Product Name: Vertical Wobble Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Activation Pressure: 1 oz.

Connector Type: 1/4" or 1/8" phone plug

Cost: $41.00

Vertical Wobble Switch is a single switch activated by bending a flexible rod. The switch is designed for mounting so the rod can be in any position. Suction cups (included), tape, or screws can be used for mounting.

Product Name: Vibration Switch

Vendor: Adaptivation, Inc.

Number of Switches: Single Switch

Connector Type: 1/8" phone jack

Cost: $99.00

The Vibration Switch is activated by a light tap or hard pounding (depending on sensitivity selected) on the table it is resting on. The switch operates in momentary, latched, or timed mode. Requires cable CC-6 (not included).

No Photograph Available

Product Name: Voice Activated Switch

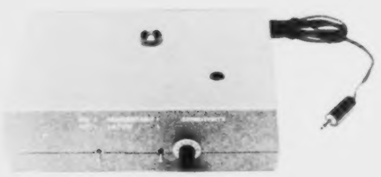
Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $85.00

Voice Activated Switch is a switch unit with a self-contained microphone. When the microphone detects a sound (such as speech), the switch is activated. The sound threshold level, the length of time the switch will stay on, and latching or momentary modes can be adjusted.



Product Name: Voice Switch

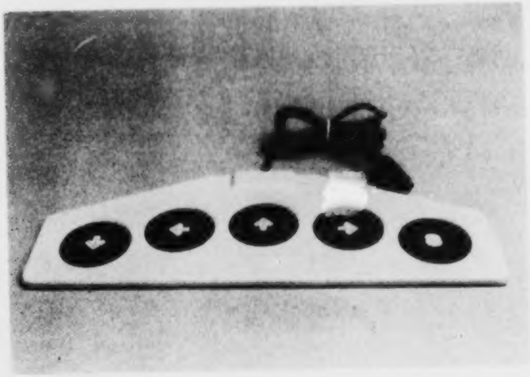
Vendor: Crestwood Company

Number of Switches: Single Switch

Connector Type: 1/8" phone plug

Cost: $109.95

The Voice Switch is designed as both a control switch and a voice therapy tool. The patented switch can be used either in momentary or latch modes. In momentary mode the device and red light stays on as long as the user is talking, in the latch mode the device stays on until the user's voice turns it off again. Sensitivity control is also available.



Product Name: Wafer Switch (5018)

Vendor: TASH, Inc.

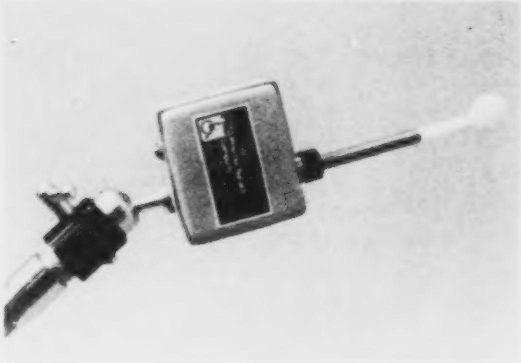
Number of Switches:
Multiple switches (3 to 16 Switches)

Activation Pressure: 4 oz.

Connector Type: 9-Pin DIN

Cost: $180.00

Wafer Switch consists of five membrane switches in one low profile housing. The pressure plates are 2.25 inches in diameter, and have directional cursor control markings. This can be used for joystick-type control.



Product Name: Wobble Switch

Vendor: Prentke Romich Company

Number of Switches: Single Switch

Activation Pressure: 1.8 oz.

Connector Type: Mini-phone plug

Cost: $115.00

This switch is activated by pushing against a lever. The lever has a spring built in, and can be pushed in any direction for activation. The Wobble Switch comes with a threaded hole for mounting.

Product Name: Wobble Switch

Vendor: Toys for Special Children, Inc.

Number of Switches: Single Switch

Connector Type: 1/4" or 1/8" phone plug

Cost: $66.00

This switch is activated by any flexion of the spring lever. The lever comes mounted on a gooseneck and stand.

Chapter 9

Environmental Controls and Telephone Adaptations

For the purposes of this chapter, "environmental controls" are defined as devices or systems whose function is to control some other device in the person's environment. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of teaching or encouraging switch operation or communication skills. The former are found mostly in Chapters 12 and 13, the latter in Chapter 3.

This chapter does include electric page turners, telephone dialers, remote appliance switches, television controllers, and so forth. Many of these systems can be controlled using the switches and controls listed in Chapter 8. Certain special non-electronic telephone accessories are also included in this chapter.

Devices which are not primarily environmental controls, but which can function as such, are cross-listed (along with the products in this chapter) in Index 1, under the function Environmental Control (EC). Some other related functions appearing in Index 1 are Phone Control (PC) and Book/Paper Handling (BP). Index 2 cross-lists products by input and output features. Some features to check are Input Type: Switch Input, Input Type: Wireless, and Input Type: Speech Recognition.

The following product entries appear in this chapter:

911 Telephone Terminal, *263*
AbiliTech Commander IR, *263*
AbiliTech Commander X-10, *264*
AbiliTech Communicator, *264*
AbiliTech Home Control System, *265*
Ability Switch Phone Sequencer, *265*
Able-Phone 100WA, *266*
Able-Phone 1900 and 2000, *266*
Able-Phone 6000SX, *267*
ACS Headsets, *267*
Adapted Telephone Interfaces, *268*
APT Automaddak Page Turner System, *268*
Automatic Drapery Opener System, *269*
Bed Control (DBC-1), *269*
Big Button Bed Control, *270*
Butler-in-a-Box, *270*
CCT Environmental Control, *271*
CINTEX2, *271*
Control 1, *272*
Controller, *272*
Custom Speaker Phone, *273*
DEUCE, *273*
E.A.S.I.dialer (2110), *274*
EASICORDER, *274*
Environment Control, *275*
Environmental Control Units, *275*
Expanded Keyboard for Automatic Telephone, *276*
EZ-TV Adapted Infrared Remote Control for Televisions, *276*
EZRA, *277*
F71863 Touchables Touch Phone Attachments, *277*
First Aide Kit, *278*
Fone Holder, *278*
FreeSwitch, *279*
GEWA Infra-Link Speaker-Telephone, *279*
GEWA Infra-Link System, *280*
Gewa Page Turner, *280*
Giant Push Button Telephone Adapter, *281*
HandiPHONE, *281*
HECS-1, *282*
Home Control Systems, *282*
HomeAccess, *283*
In & Out Automatic Door Controller, *283*
Infrared Remote Control IRTI-I, *284*
Kincontrol (4105), *284*
Mastervoice Environmental Control Single User Unit, *285*
Memory Button Telephones, *285*
Mini-Environmental Control (ECU) Box, *286*
Motorized Easel, *286*
MultiPhone, *287*
Next Page Page Turner (4600), *287*
On/Off Remote Switch, *288*
Phone Manager, *288*
PhoneAccess, *289*
Portable Telephones, *289*
PowerLink 2, *290*
PROXi, *290*
RC5000 Radio Home Control System, *291*
RELAX (8200), *291*
Remote Control Speakerphone Model RC3000, *292*
Saltus Reader, *292*
Sapura S2000 CL, *293*
Scanning Director, *293*
Scanning Remote Control (SRC), *294*
Scanning X-10 Powerhouse, *294*
SenSei System, *295*
Simplicity Series ECUs, *295*
Single-Appliance Continuous Control Unit, *296*
Single-Switch Multi-Appliance Control Unit & Modules, *296*
Single-Switch TV Control Unit, *297*
Sip/Puff Bed Control, *297*
Speaker Phones, *298*
Synergy Integrated Remote, *298*
T-140 Series Puff/Sip Speakerphones, *299*
TEAM, *299*
Telephone Holder & Line Connector, *300*
Telephone Management System, *300*
Touch Turner, *301*
TVRC and TVRCS, *301*
U-Control, *302*
Ultra 4 Remote System & Scanning Ultra 4, *302*
Universal Control System with Tongue Touch Keypad, *303*
Universal Remote Controls, *303*
Universal Telephone Adapter, *304*
Universal Television Remote Control, *304*
URC-400 Series Universal Remote Control, *305*
VX-5000 Cordless Phone, *305*
Wireless TV & VCR Remote Controls, *306*
X-10 Home Control Interface, *306*
X-10 Powerhouse System, *307*

The following products from other chapters can also be used as Environmental Controls or Telephone Adaptations:

Activity Board, *30*
CINTEX I, *744*
Communication Programs, *124*
Delay Timer Box, *40*
Dual Channel Latching Switch Interface, *41*
E Z Keys, *339*
EvalPAC with RealVoice, *131*
Eye Slaved Pointing System, *387*
Eyegaze Computer System, *132*
HAL (Home Automation Link), *392*
Head Position Interface, *222*
High Tech/Low Cost, *223*
Intercom (4392), *318*
LIAISON, *407*
Liberator, *137*
Media Handling Products, *549*
Pegasus, *145*
RealVoice, *147*
Scan Com, *149*
Scan-It-All, *149*
ScanPAC, *150*
Slide Projector Control, *55*
Switch Latch (4388), *56*
Timer Module, *59*
Training Aid 2, *61*

Product Name: 911 Telephone Terminal

Vendor: Luminaud, Inc.

Size: 2.2" x 2.3" x 1

Weight: 4 oz.

Cost: $49.00

The 911 Telephone Terminal provides direct telephone connection for the Voicette Amplifier, Companion 401 Communicator, Vocaid, Vocal Assistant, and most major brands of electronic communication aids. The 911 is a box with inputs from the telephone wall line, the telephone, and the communication device. When the user wishes to make a call or answer the telephone, the user hooks the communication device into the 911, picks up the handset, and converses through the device with all outside noise blocked out.

No Photograph Available

Product Name: AbiliTech Commander IR

Vendor: AbiliTech Inc.

Computer: IBM PC Family

Size: 4.25" x 2.5" x 1.5"

Weight: 12 oz.

Cost: Contact manufacturer

AbiliTech Commander IR is a computer operated environmental control for most infra-red remote controlled devices including TV, VCR, stero, cable box, DSS system and others. This system is designed to provide the user with complete control of the systems listed including timed controls for recording, channel changes, on/off and others using a personal computer. All input is done with a mouse or mouse emulating device (Trackball, PRC HeadMaster, Freewheel, etc.). The system requires no keyboard input.

The system includes an RS232 interface, receiving.transmitting device, power supply, and Microsoft Windows based software.

No Photograph Available

Product Name: AbiliTech Commander X-10

Vendor: AbiliTech Inc.

Computer: IBM PC Family

Size: 7" x 5" x 2"

Weight: 1.5 lbs.

Cost: $295.00

AbiliTech Commander X-10 is a computer operated environmental control system for use with most home appliances, lights, security devices, etc. The system provides on/off control for electric appliance and on/off/dimmer control for lighting. This system is designed to provide the user with complete control of the items listed including pre-set, timed controls for operating lights, air conditioners, security systems, etc. using a home computer. All computer input is done with a mouse or mouse emulating device (Trackball, PRC HeadMaster, Freewheel, etc.). The system requires no keyboard input from the user.

The system includes an RS232 interface, receiving/transmitting device, power supply, and Microsoft Windows based software.

No Photograph Available

Product Name: AbiliTech Communicator

Vendor: AbiliTech Inc.

Computer: IBM PC Family

Size: 4.25" x 2.5" x 1.5"

Weight: 3 lbs.

Cost: $325.00

AbiliTech Communicator is an internal computer interface card including modem, voice mail, speaker phone, and Adlib/Sound Blaster compatible sound on a single card. The software provides a hands-free speaker phone with memory dial, visual keypad, mute toggle, last number redial, etc. All computer input is done with a mouse or mouse emulating device (Trackball, PRC HeadMaster, Freewheel, etc.). The system requires no keyboard input from the user.

The system includes an internal 16 bit interface board, and Microsoft Windows based software.

No Photograph Available

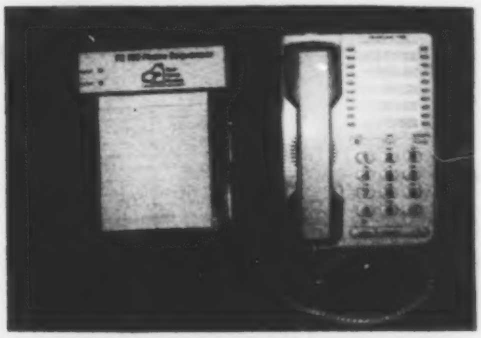
Product Name: AbiliTech Home Control System

Vendor: AbiliTech Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

AbiliTech Home Control System is a custom IBM computer system made to order. The system is designed especially for people who are unable to use a standard keyboard for input. Optional equipment allows the user to control lights, appliances, TV, VCR, DSS, speaker phone, FAX, modem and others. Devices include PRC wireless HeadMaster (see entry), AbiliTech Commander IR, Commander X-10 and Communicator (see entries), CD-ROM drive, choice of hard drives, choice of memory amount, all necessary drivers, and the user's choice of software. All software and components will be set up, configured, tested, and labeled for installation.



Product Name: Ability Switch Phone Sequencer

Vendor: Easy Home Control

Cost: Contact manufacturer

The Ability Switch Phone Sequencer is a touch tone speaker phone with a 20-number one touch speed dialing that operates from any ability switch. Through the phone sequencer the hands free speaker phone may be answered or calls may be placed via the speed dialing.

No Photograph Available

Product Name: Able-Phone 100WA

Vendor: DQP, Inc.

Weight: 5 lbs.

Cost: $595.00

The Able-Phone 100WA is a cordless headset telephone. To answer incoming calls, the user whistles into the headset and a connection is established. Outgoing calls are made similarly, as a whistle by the user can also place a call directly to the operator. The headset is connected to a remote unit which sends signals to a base receiver from up to 750 feet away. In addition to a whistle switch, optional plug-in switches (which allow activation by puff, puff-sip, touch, lever, or plate switches) can also be used; all switches are extra.

Product Name: Able-Phone 1900 and 2000

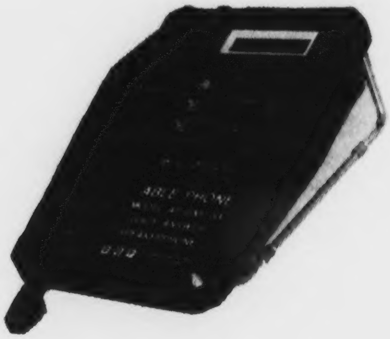
Vendor: DQP, Inc.

Size: 4.5" x 10.5" x 8.5"

Weight: See text

Cost: $295.00 - $395.00

Able-Phone 1900 and 2000 are speaker phones intended for use by people with mobility impairments. Able-Phone 1900 (6.5 lbs.; $295.00) has a built-in puff switch and microphone mounted on an adjustable gooseneck. Able-Phone 2000 (4.5 lbs.; $395.00) is activated by an adjustable whistle tone, or by wireless remote, puff-and-sip, or lever switches (extra). Both phones, when activated, will automatically dial the operator or a user-programmed number. A large keypad, which can be accessed with one finger or a mouth or head stick, is provided for additional auto-dialing capability.



Product Name: Able-Phone 6000SX

Vendor: DQP, Inc.

Cost: $495.00

The Able-Phone 6000SX is a speakerphone which places phone calls when the user whistles or makes any sound. To place a call the user whistles to scroll through the phone's directory memory. When the name of the person appears on the phone's small display, the user whistles again and the number will be automatically dialed. To terminate a call the user just whistles and the connection will be ended. The Able-Phone 6000SX has a call waiting feature; to activate the feature the user must whistle twice in succession (within four seconds) and answer the waiting call. To return to the original caller, the user whistles twice again and can continue the conversation. The phone can be manually activated and has a speaker feature. In addition, Able-Phone 6000SX has an adjustable volume control, date and clock, electronic lock, adjustable angle control, weak battery indicator, and programmable reminders. To answer an incoming call, the user says "hello" after the second ring.

Product Name: ACS Headsets

Vendor: ACS Communications

Weight: 0.5 oz. - 2 oz.

Cost: Contact manufacturer

ACS Headsets are lightweight headsets combining headphones and microphone, designed to be used in place of a standard telephone receiver. There are seven models. The Orator Monaural and Binaural have headets with phones that rest on the outside of the ear. The NWII Monaural and NB II Binaural have headsets with phones that fit inside the ear. The Elation is a monaural headset which is ultralight (.5 oz.) and easily removable. The Contour LX and MicroSet hook over a single ear and have an in-ear phone.

An option for all models is the Tri-Amp, which provides sound amplification and volume control and suppresses loud data signals that can come over ISDN systems before those signal reach the ear. The Tri-Amp is also packaged with headsets specifically for hearing aid wearers and visually impaired users.

No Photograph Available

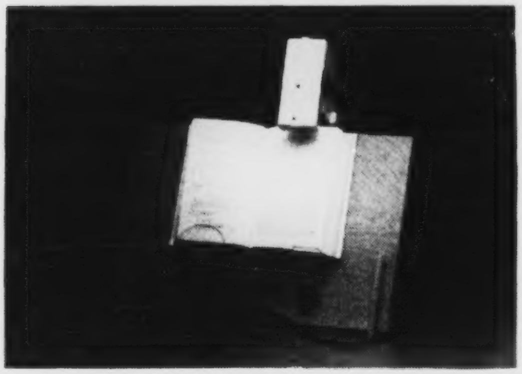
Product Name: Adapted Telephone Interfaces

Vendor: Various (Generic Product)

Cost: Varies

While a number of specific telephone adaptations are included in this book, many adaptations are available as features whithin existing telephone systems. In many cases careful shopping for a telephone can provide the adequate and appropriate features required for an individual with a disability. Different types of designer telephones may also be of particular advantage or disadvantage in its design. For example, many telephones come with memory buttons for rapid dial but the location, size, and recall usage of these buttons vary from telephone to telephone.

Telephones with various types of features are available from stores that specialize in selling telephones. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation serve delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.



Product Name: APT Automaddak Page Turner System

Vendor: Maddak, Inc.

Size: 7.25" x 6.75" x 3.36"

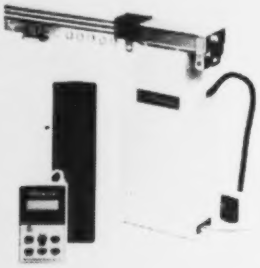
Weight: 11 lbs.

Power Source: 120V AC

Cost: $1,199.00

APT Automaddak Page Turner System is a wooden reading stand equipped with a motorized arm that turns the pages of a book or magazine. The front and back covers are held by adjustable clips. Upon the signal from a switch, an adjustable arm tipped with a pad of silicone moves across the book from left to right, picks up a single page and brings it over to the left. A thin wire loop then follows in to hold the page in place.

Automaddak Page Turner is available in 115V and 220V AC models. Various switches are available. Contact manufacturer for information on the Automaddak Page Turner System, which includes the Page Turner, wooden bookstand, and automatic page hold-down device.

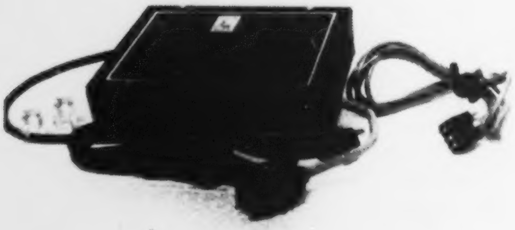


Product Name: Automatic Drapery Opener System

Vendor: Makita

Cost: $505.00 - $950.00

The Automatic Drapery Opener System is an environmental control system that operates on a timer or via an infrared remote control to open drapes. The system can handle 60 pounds of draper weight and rod lengths up to 20 feet per minute. An internal disconnect mechanism allows the draperies to be manually opened or closed at any time.



Product Name: Bed Control (DBC-1)

Vendor: APT Technology, Inc.

Cost: $475.00

The Bed Control controls all standard functions of a powered hospital bed using a single switch or one channel of an environmental control unit. The control can adjust six functions of the bed, typically head up/down, foot up/down and whole bed up/down. The bed must be the type which has a removable pendant which plugs and unplugs electrically.

The Bed Control will accept a variety of input types including tongue, body, and puff-sip switches. It also interfaces with most ECUs. Contact manufacturer for details before ordering.

No Photograph Available

Product Name: Big Button Bed Control

Vendor: KY Enterprises

Cost: $75.00

Big Button Bed Control is a device that replaces the standard small-button controller on an electric hospital bed. The device features six large, heavy-duty buttons that control head up or down, foot up or down, and bed raise or lower.

Contact the manufacturer for information on specifications of bed model.

BUTLER IN A BOX

Product Name: Butler-in-a-Box

Vendor: AVSI

Computer: IBM PC Family

Size: 10.6" x 8.8" x 3.1"

Weight: 5 lbs.

Cost: $2,995.00

Butler-In-A-Box is a two voice-activated environmental control system with speech output that allows users hands-free operation of appliances, lights, and telephones. Once the users have trained the Butler to recognize particular utterances, these utterances can be used as commands to activate various appliances: lights, TV, stereo, electric beds, etc. Timers (included) can also be set to turn appliances on or off at particular times. Appliances are activated remotely using X-10 remote control modules. A telephone is built in, allowing the user to remotely dial, answer, and use the system as a speakerphone. Butler-In-A-Box can also be programmed to detect the presence of intruders and request that they identify themselves.

Options (extra) include a Voice Mouse (for retrieving data from an IBM computer), an I.C.I. Infrared Controller Interface, the RAM Pack, the Voice Cartridge, and the Sprinkler Controller. Contact manufacturer for further information about similar systems which may be activated by one or four users.

Product Name: CCT Environmental Control

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Cost: $470.00

The CCT Environmental Control is an environmental control system designed for people with disabilities that create mobility impairments. With the activation of a single switch, directly from the keyboard or the computer, up to 16 electrical switches and outlets can be controlled on the screen. The infrared control features allows the user to control any device that has an infrared control such as TV's, stereos, and VCR's. The user has full control over all command features including volume, channel, etc. All signals are transmitted through the existing electrical wiring in the home using the X-10 module.

The CCT Environmental Control can be purchased as an integrated part of the Handy Speech system (see entry) or alone. English and Spanish versions are available.

Product Name: CINTEX2

Vendor: NanoPac, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual, Videotape Manual

Cost: $695.00 - $2,285.00

CINTEX2 is an environmental control software package that allows the user to control up to 256 appliances, dial and answer the phone, flash for call waiting, dial from a directory, control TVs, VCRs, stereos, etc. by voice when used in conjuction with a voice recognition program (not included). The system includes necessary hardware and a starter set of voice macros that can be tailored to the users personal needs and new macros can be added. CINTEX2 pops up over current applications and can be used with most popular keyboard alternatives. CINTEX2 may also be controlled with a mouse only and is compatible with most vision-enhanced software.

CINTEX2 requires a spare serial port and an internal modem. A "phone only" version and a deluxe version with full ECU support are available. Contact manufacturer for information on other current and planned options for use with CINTEX2.

Product Name: Control 1

Vendor: Prentke Romich Company

Computer: All (Hardware Independent)

Size: 3.75" x 17" x 11"

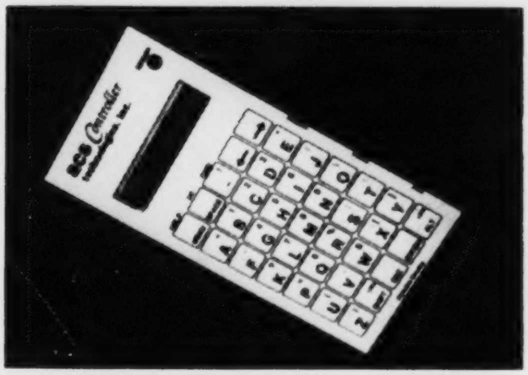
Weight: 9 lbs.

Power Source: 120V AC

Cost: $1,965.00

Control 1 is an environmental control unit with eight control receptacles that may operate various electrical devices, and a telephone. Control 1 can operate any telephone (including speaker phones, cordless phones, and handsets mounted on a gooseneck) and may store up to ten phone numbers. The device can be used to operate the three functions (head, bed, and foot) of an electric bed; a bed cable (BC-4) for the specific bed must be requested when ordering. All control receptacles may be latched (turned on and left on) or momentarily turned on. Control 1 may be controlled by a dual switch, a communication aid, or a microcomputer. If desired, the user may customize computer software to operate the Control 1. The device may also be used to control data output to a computer.

One AC Appliance Module and one Lamp Module are included, and with optional control modules (extra), the user may control up to 256 AC appliances. Options for the Control 1 include Call Signal 2 (extra; see entry). Additional options and adapters are also available.



Product Name: Controller

Vendor: ACS Technologies, Inc.

Cost: $2,195.00 - $3,995.00

The Controller is an infrared environmental control unit. The control has a two line, sixteen character display and a seven row by five column membrane keyboard. The device is operable by keyboard input or by using the keyboard as a scanning panel. Voice control is also an available option (extra). Controller will activate most devices which respond to infrared remote signals.

Product Name: Custom Speaker Phone

Vendor: KY Enterprises

Size: 7" x 9"

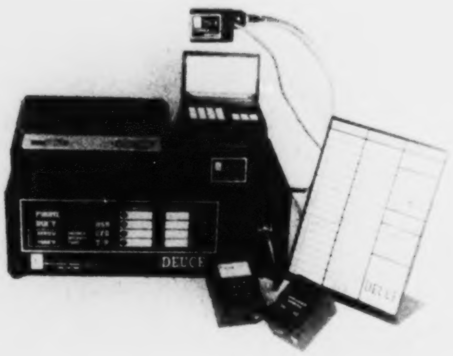
Weight: 1 lb.

Power Source: 120V and phone plug

Cost: $170.00

The Custom Speaker Phone is a Panasonic speaker phone activated by a sip-and-puff switch. To answer incoming calls or end a call, the user puffs. To automatically dial the operator, the user sips. This product has an optional autodialing feature which requires separate switches for each auto-dial memory location.

The product package includes the speaker phone, a flexible stand, and two puff switches.



Product Name: DEUCE

Vendor: APT Technology, Inc.

Size: 12" x 10" x 3.5"

Weight: 10 lbs.

Power Source: 120V AC

Cost: $1,500.00

DEUCE is a home or hospital environmental control unit that allows control of telephone and various appliances through infrared remote control, scanning, or non-scanning direct input. Phone control capabilities include getting on and off line, dialing numbers up to 31 digits, and storing up to 18 numbers plus last number dialed. Four low current switch closures provide control of accessories such as page turners, and four powered AC outlets provide control of on/off appliances such as fans and radios. The DX10K option (extra) provides control of an additional 16 lights and/or appliances through the X-10 control system. DEUCE provides visual and auditory feedback with operation; audio prompts for users with visual impairments can be configured by entering a simple numeric code. Input into DEUCE is made through a dual switch, IR remote, or non-scanning direct inputs. Outputs include phone connection, four latched and four momentary controlled AC outlets, capacity for sixteen X-10 modules, and morse code or scanning for input to computers or communication aids. X-10 modules, bed controls, call signals, control switch, and phone are all extra. Price varies depending on options ordered.

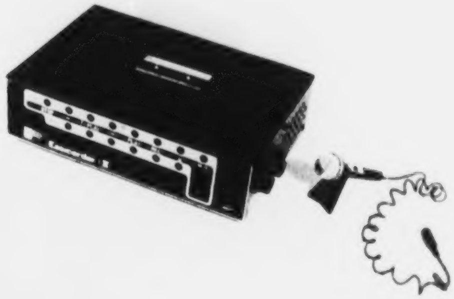
Product Name: E.A.S.I.dialer (2110)

Vendor: TASH, Inc.

Cost: $800.00

E.A.S.I.dialer is a device that allows a single switch to be used to dial a phone and control many other appliances. The scanning speed and switch closure time are adjustable. Up to 60 numbers can be stored in memory and dialed with the activation of a single switch. Other features include easy-to-read display of phone numbers, a built-in speaker phone, privacy mode, and volume control.

E.A.S.I.dialer can also be used to access a television when used with the Relax (see entry) and control up to 16 electrical appliances connected to X-10 modules. Contact manufacturer for information on purchasing X-10 modules and Relax.



Product Name: EASICORDER

Vendor: APT Technology, Inc.

Size: 12" x 8.25" x 3.5" or 23" x 25"

Weight: 11 lbs.

Power Source: 12V or 24V DC

Cost: $2,100.00 - $2,450.00

EASICORDER is a single- or dual-switch operated tape recorder designed for people with physical disabilities but useable vision to use for note taking, dictation and information recording. By scanning with a single switch, the user can select normal tape recorder functions (stop, play, reverse, fast forward, record) as well as special functions. Special functions include standard speed (1-7/8 ips) or half speed (1-15/16 ips); single track operation in which each channel of stereo can be recorded or played separately, in effect doubling the running time of a tape; "underline" mode, which inserts beeps audible during fast forward play; and "commentary" mode, which allows insertion of comments on parallel stereo track during recording (comments are then automatically inserted during playback). Switching input to EASICORDER is through a single switch (included), audio input is through external microphone (included). Audio output is through internal speaker (included), external speaker (extra), or headphones (extra). A second switch (extra) permits a pause function. EASICORDER is available in cabinet and wheelchair lapboard models.

No Photograph Available

Product Name: Environment Control

Vendor: Favin, David

Computer: All (Hardware Independent)

Size: 6" x 6" x 2"

Weight: 6 oz.

Power Source: 120V AC

Cost: Free

Environment Control is a computer interface that provides up to 128 selective controlled switch closures. These closures may be placed in parallel with manually-controlled switches to provide computer control of these switches. The interface connects to a computer's parallel port.

The circuit diagram and BASIC computer program, which were developed by the Telephone Pioneers of America, are free on request.

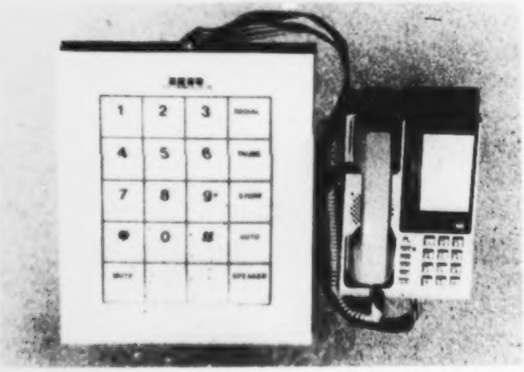
No Photograph Available

Product Name: Environmental Control Units

Vendor: Various (Generic Product)

Cost: Varies

While some environmental control units are highly sophisticated, many environmental control needs can be met with low technology rehabilitation devices or items available from hardware stores. Light switch extension levers, for example, are available in most rehabilitation product catalogs. Appliance and light timers can be purchased from department stores. Lamp switch adapters, such as those that permit the lamp to be turned on and off by touching its base, are available in most hardware stores. Solutions may also be fabricated, such as taping a wooden tongue depressor over a call button so the depressor may be used as a lever to push down the button. Low tech and high tech solutions may even be used in combination where appropriate.



Product Name: Expanded Keyboard for Automatic Telephone

Vendor: EKEG Electronics Company LTD

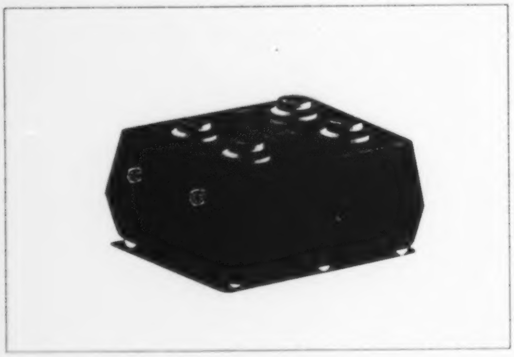
Size: 12" x 14" x 1"

Weight: 4.5 lbs.

Cost: $475.00 - $675.00

Expanded Keyboard for Automatic Telephone is a system consisting of a speaker phone and an expanded keyboard that allows the user to dial by pressing 2"-square keys. The telephone unit contains a combination speaker and microphone, and does not require the user to pick up the receiver to answer or to talk into the phone.

Two models are available, one with space for 10 stored phone numbers for automatic dialing ($475.00) and the other with space for 32 stored phone numbers ($675.00). Both models will work on rotary dial or touch tone exchanges, and thick plastic-coated wire grid keyguards are available for both models ($50.00). An adjustable microphone is also available.



Product Name: EZ-TV Adapted Infrared Remote Control for Televisions

Vendor: ORCCA Technology, Inc.

Power Source: Battery

Cost: $125.00

The EZ-TV Adapted Infrared Remote Control for Televisions allows the channel and volume to be controlled by four large, colored, push-button switches or four external single switches. The control can be programmed to control any television that uses an infrared remote control. Channel and volume are activated one step at a time with each button press or external switch activation.

Product Name: EZRA

Vendor: KY Enterprises

Size: 19" x 4" x 14"

Power Source: 120V AC

Connector Type: Mini-phone plug

Cost: $950.00

EZRA is a single-switch environmental control system. Options are displayed on a list of menus that appear on a TV screen; the cursor scans the options, permitting selection of desired function using a wireless single switch. With the base system, the user can control a TV and radio, lights and appliances, and an electronic door.

Options include control of an electric bed, VCR, telephone, compact disk player, intercom, a limited vocabulary speech synthesizer, and puff switch. Contact manufacturer for information before ordering. Video tape available for $10.00.

Product Name: F71863 Touchables Touch Phone Attachments

Vendor: Maddak, Inc.

Size: 3.5" x 4" x 1.25"

Cost: $19.95

Touch Phone Attachment is a device that fits over the buttons of an existing touch tone phone. On the surface of the attachment are enlarged keys with large-type letters and numbers on them. The user dials the phone by pressing these buttons.

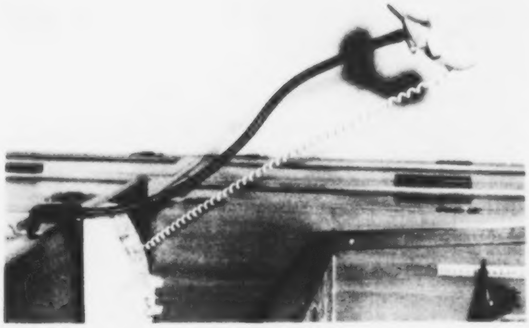
No Photograph Available

Product Name: First Aide Kit

Vendor: Infra-Link, Inc.

Cost: Contact manufacturer

The First Aide Kit is an environmental control system consisting of a universal infra-red transmitter, a remote controlled speaker-telephone, a controller for AC appliances, sip-or-puff switch, and an IV stand on wheels. The system allows for flexible control of the telephone, TV, radio, VCR, lamps, alarms, and electric bed functions and does not require permanent installation. The IV stand is used for mounting the switch and transmitter.



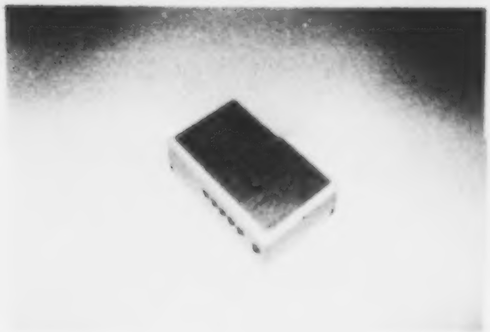
Product Name: Fone Holder

Vendor: Fred Sammons, Inc.

Size: 24" long

Cost: $54.95

The Fone Holder is a 24" gooseneck with a clamp at the end which holds a telephone receiver. The gooseneck can be clamped to a convenient surface such as the edge of a table. The Fone Holder holds the receiver where it can be used most conveniently.



Product Name: FreeSwitch

Vendor: Adaptivation, Inc.

Size: 3" x 4.5" x 2.5"

Weight: 1 lb.

Power Source: 9V battery

Cost: $229.00

FreeSwitch is a environmental control system that allows the user to remotely operate up to four appliances. The device comes with one see-through Taction Pad (see entry) that allows virtually any object or surface to become a switch. Additional Taction Pads are available for $12.50 each.

No Photograph Available

Product Name: GEWA Infra-Link Speaker-Telephone

Vendor: Infra-Link, Inc.

Connector Type: 3.5 mm jack

Cost: Contact manufacturer

The GEWA Infra-Link Speaker-Telephone is a remote access system to an included Panasonic Speaker-Phone. Any single switch can be used to answer the phone or to dial the first number in memory. For users with more capabilities, all the features of the telephone are accessible with infra-red remote control (not included). Either single switch scanning or multi-switch transmitters can be set to access desired features or all features of the phone.

No Photograph Available

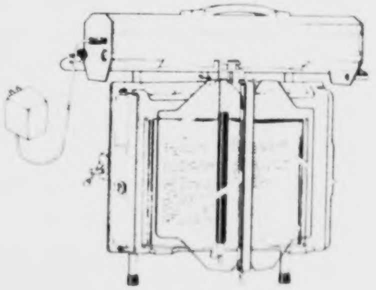
Product Name: GEWA Infra-Link System

Vendor: Infra-Link, Inc.

Cost: Contact manufacturer

The GEWA Infra-Link System (also known as Smart House) allows operation of all electrical functions by Infra-Red transmitters. Infra-Link enables a personal with a physical disability to make and/or receive calls independently, enter or leave the home, change TV channels, turn lights on and off, security lock entry doors, and perform other household functions from a hand-held transmitter with push-buttons or from an adapted single switch. Other system features include electric window opening, a front door intercom with lock release, a service telephone to enable the user to seek help or screen visitors, and an alarm system.

Prices vary widely depending on the size of the home and the desired features. Contact the manufacturer for details.



Product Name: Gewa Page Turner

Vendor: Zygo Industries, Inc.

Size: 20" x 24" x 8"

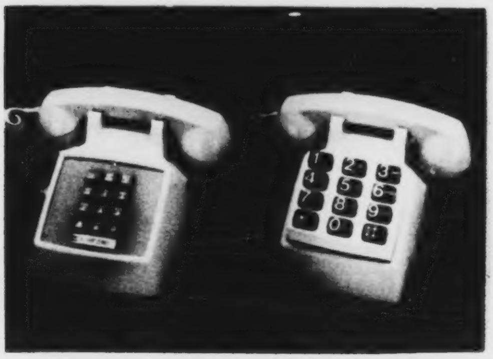
Weight: 15 lbs.

Power Source: 120V AC

Cost: $3,995.00 - $4,200.00

Gewa Page Turner is an automatic page turning system that can accomodate most textbooks, paperbacks, magazines, and smaller newspapers, of maximum size 12" x 9", and 2" thick. A built-in clamp attaches the Page Turner to support item, and unit can be tilted for bed reading. A rubber roller manipulates pages forward and backward, singly or continuously, with no adjustments necessary for size, texture or style of document.

Options of multi-switch ($2,975.00) or single switch ($3,185.00) controls are available to accomodate level of user skill, and additional options for mounting and positioning the Gewa Page Turner are available from distributer (contact for details).



Product Name: Giant Push Button Telephone Adapter

Vendor: Fred Sammons, Inc.

Size: 0.88" x 0.56"

Cost: $7.95

Giant Push Button Telephone Adapter is a device that fits over the buttons of a home or pay touch tone phone. The user can then dial the phone by pushing the 7/8" x 9/16" buttons on the face of the Adapter.

Product Name: HandiPHONE

Vendor: Microsystems Software Inc.

Manual Form: Printed Manual

Cost: $595.00

HandiPHONE is a computer controlled hands-free telephone which allows input through voice recognition products, switch access, trackball, mouse, or joystick from within any software application. The complete system includes PopDIAL software, modified 2400 Baud modem, and speakerphone with powerpack. It is also compatible with any conventional telephone or phone system and requires 1.4K (with EMS) or 20K (without EMS).

Contact the manufacturer for details on renting the system.

Product Name: HECS-1

Vendor: Prentke Romich Company

Size: 13.5" x 9" x 3.25"

Weight: 11 lbs.

Cost: $3,860.00

HECS (Hospital/Home Environmental Control System) is a device that permits persons with limited motor skills to operate electrical devices within a room. The user may select the desired functions from a large-character back-lit menu display. Functions include: all bed functions (up/down, etc.), phone control functions (answer, hang up, dial, and redial), turning lights on and off, and operating a pendant-controlled television. The system may be integrated with a standard or facility-specific call system. A variety of switches (sip-puff, rocking lever, tongue, etc.) may be used to operate the system. The display may be moved on an adjustable holding arm (included), or rotated from side to side.

No Photograph Available

Product Name: Home Control Systems

Vendor: Various (Generic Product)

Cost: Varies

This book includes a number of environmental control products designed specifically for people with disabilities, but a large variety of environmental control systems are available as home automation and home security systems for general use. For example, systems are available for turning on lights by touching the base of the lamp, by motion detection (ultrasound), and by keyrings or from controls kept in a car. Also, automatic thermostat systems which can be programmed for seasonal or individual events are available. Automatic garage door openers are helpful for the purpose for which they were designed and similar systems are also available for pulling window draps and opening and closing windows and doors throughout the home.

These types of home automation and home security products are available from many hardware stores, electronic supply stores, home improvement or building supply stores, and specialty catalogs. Specific sources can be found in local yellow pages, in listings from local rehabilitation service delivery programs, and from local home builders.

Product Name: HomeAccess

Vendor: MRF Adaptive Resources, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: Contact manufacturer

HomeAccess is a computer hardware and software system for controlling devices in the home or office environment through voice recognition or single switch input. Up to 256 electrical devices, 6 to 12 infrared controlled devices, and 128 timers can be controlled. Other special features include automatic "sun-up" and "sun-down" calculation, "on-off" to turn a device on and then off automatically, "sleep" to automatically turn a device off after a pre-defined period, on-line help, a graphical interface, and printed setup report.

The IBM version requires Microsoft Windows and supports Listen for Windows and Dragon Dictate. The Macintosh version requires a Mac Plus computer or later and System 7.0 or higher and supports PowerSecretary, Voice Navigator, and PlainTalk.

Product Name: In & Out Automatic Door Controller

Vendor: KY Enterprises

Weight: 11 lbs.

Power Source: 120V AC/12V battery

Cost: $560.00

In & Out Automatic Door Controller is an environmental control system that opens and closes a door by an activation of a wireless switch. An electric strike can be added to lock the door. The system is designed for light-weight residential doors and can interface to an ECU system on a wheelchair. The system includes two switches or one-switch timer circuit.

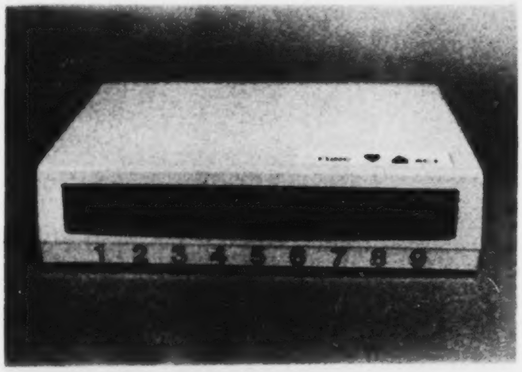
Product Name: Infrared Remote Control IRTI-I

Vendor: APT Technology, Inc.

Cost: $395.00

Infrared Remote Control IRTI-I is a system allowing remote control of electrical devices through a DEUCE environmental control unit (extra; see entry). The package consists of a small box which accepts a dual control switch. The receiver unit is built into DEUCE.

Infrared Remote Control IRTI-I runs on two internal 9V batteries. Adapters are available to operate the device from other manufacturers' wheelchairs, permitting infrared control of DEUCE from the chair; contact manufacturer for further information.



Product Name: Kincontrol (4105)

Vendor: TASH, Inc.

Size: 8.75" x 6.75" x 2.5"

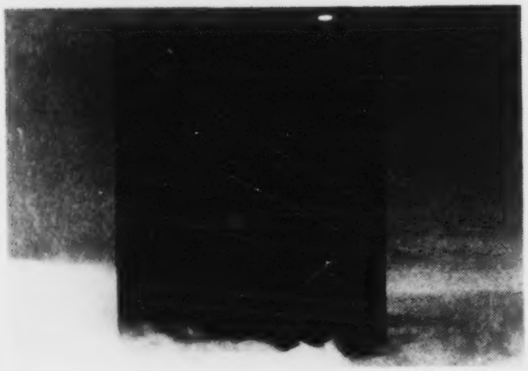
Weight: 3 lbs.

Power Source: 120V AC

Cost: $800.00

Kincontrol is a environmental control unit operated by single or dual switch scanning. A function switch allows the system to be set up to control one to eight outputs. The outputs can be switched appliances connected directly to the Kincontrol unit, or Ultra 2T ultrasonic remote control transmitters (also available from TASH). The latter option allows control of appliances anywhere within a room without direct wiring. The Kincontrol can also operate up to 16 electrical appliances connected to X-10 modules or four different electrical appliances connected to ultrasonic power modules.

Ultra 2T transmitters and receivers must be purchased separately. Contact TASH for more information on prices and features.



Product Name: Mastervoice Environmental Control Single User Unit

Vendor: AVSI

Size: 10.6" x 8.8" x 3.1"

Weight: 5 lbs.

Power Source: 120V AC

Cost: $1,795.00

The Mastervoice Environmental Control Unit is a voice-activated environmental control system with speech output. Once trained the unit can recognize particular words as commands to activate various appliances. The unit can also control devices through sixteen built-in timers, manual control, and infrared sensor. Up to 256 appliances can be activated including lights, television, stereo, and electric beds. The control unit has a built-in telephone which is voice-activated allowing the user to dial, answer, and speak remotely; devices can also be controlled through telephone commands. An alarm system which detects intruders and asks them to identify themselves is another one of the device's features.

The control unit has a serial port for computer interface. An alarm jack, modem, and X-10 receive feature are available options.

No Photograph Available

Product Name: Memory Button Telephones

Vendor: Various (Generic Product)

Cost: Varies

Telephones with memory buttons can be useful to persons who have trouble remembering telephone numbers or persons with physical disabilities who need a quick and easy method of dialing. For persons with cognitive disabilities, the complexity of button use should be considered. Some phones have multiple levels of buttons which require toggling a switch then pressing a button to access some numbers; these phones should be avoided. Other considerations include the size and spacing of labels. Some button labels are so small that cognitive discrimination of the words or symbols placed on them would be difficult. For persons with motor disabilities, the size and space between each memory button is critical.

Memory button telephones are available in most department stores, electronic stores, and telephone stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

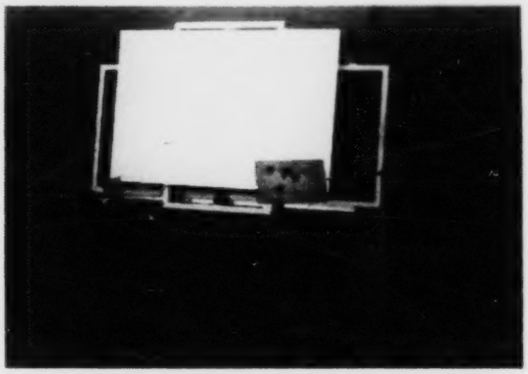
Product Name: Mini-Environmental Control (ECU) Box

Vendor: Nassau Applied Technology Resource Center

Size: 7.5" x 4.38" x 2.5"

Cost: $232.00

Mini-Environmental Control can be interfaced with standard, 1170 watt or lower appliances (small hair dryers, lamps, popcorn machines, etc.) to allow them to be run using a single switch. A latch switch permits the control to be used in either momentary or latched mode.



Product Name: Motorized Easel

Vendor: Extensions for Independence

Size: See text

Power Source: 120V AC

Cost: $3,000.00

The Motorized Easel is an adjustable easel designed mainly for use by mouth artists. The height and angle are adjustable, and has two electric motors which move the drawing board portion up, down, or side-to-side, and an actuator which controls the angle of the work. The motors and actuator are activated by tongue, mouthstick, or paint brush with micro-switch control (included). The drawing board is available in 24" x 36" or 36" x 48" sizes. The frame can adjust in height from 34" to 54".

No Photograph Available

Product Name: MultiPhone

Vendor: Institute on Applied Technology, Children's Hospital

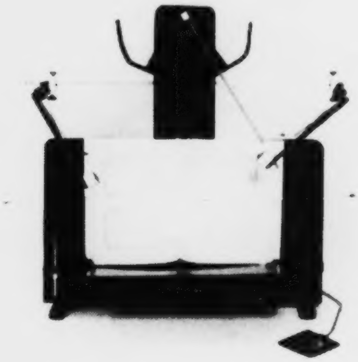
Size: 5.5" x 2.5" x 1.25"

Power Source: 120V AC

Cost: $249.00

MultiPhone provides private and independent phone access through computer based communication systems, including dedicated AAC devices and integrated laptop computer systems. MultiPhone uses standard touch tones to obtain dial tone, answer incoming calls, and hang-up and allows for clear output of synthesized or digitized speech to the phone line. A buzzer notifies the user of incoming calls and an extra telephone jack for extension hookup is provided.

Headphones are provided and the speaker is optional, but the device includes a standard size output jack. MultiPhone is compatible with any electronic AAC device that can output digitized or synthesied speech.



Product Name: Next Page Page Turner (4600)

Vendor: TASH, Inc.

Size: 24" x 9" x 24"

Weight: 10 lbs.

Power Source: 12 volt DC adapter

Cost: $3,000.00

Better Page Turner is an electronically controlled page turner. Its features include single, dual, or multiple switch control and bi-directional page turning. This page turner can handle books, magazines, paperbacks, and three-ring binders. Books up to 2" in thickness and 9.5" x 11.5" can be used. Switches are not included but a scanning mechanism is built-in to the page turner.

REMOTE
PLUG IN LAMP DIMMER
REMOTE
PLUG IN LAMP DIMMER

Product Name: On/Off Remote Switch

Vendor: Dimango Products

Size: 3" x 2" x 1"

Weight: 1 lb.

Cost: $20.00

On/Off Remote Switch is a system consisting of a small hand-held transmitter unit with a button on top and a receiver unit that plugs into a wall outlet. The appliance to be controlled is plugged into the receiver, and the user can turn it on and off at a distance of up to 50 feet by pressing the button on the transmitter unit.

Three different frequencies of receivers with corresponding transmitters are available: a lamp model (750 watts max.), an appliance model (1800 watts max.), and a motor and fan model (900 watts max.). Separately purchased receivers are also available.

Product Name: Phone Manager

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Cost: $300.00

The Phone Manager is software that allows the user to dial an out-going call directly from the computer, even with a single switch. The user can select one of ten prerecorded messages of greeting. The software includes a customizable phone directory and automatic emergency dialing. In an emergency the Phone Manager will dial an emergency number and transmit a prerecorded message with only one keystroke. Speech is sent directly over the telephone line using the Handy Speech (see entry) synthesizer. A software program allows the caller to pre-plan entire conversations so the dialogue between caller and receiver can flow smoothly. The Phone Manager is a memory resident program. When the phone rings, the software will automatically appear on the screen.

English and Spanish versions are available. A synthesizer (CCT or MultiVoice) is required and not included.

323

Product Name: PhoneAccess

Vendor: MRF Adaptive Resources, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: Contact manufacturer

PhoneAccess is a computer-based hands-free phone control program. The program can be voice or switch activated to dial numbers, make calls, and answer the phone. The program also features unlimited telephone number storage.

The IBM version requires Microsoft Windows.

No Photograph Available

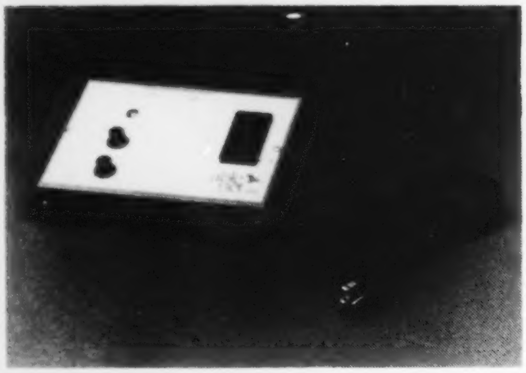
Product Name: Portable Telephones

Vendor: Various (Generic Product)

Cost: Varies

Portable telephones can be helpful for individuals who have mobility impairments to access the telephone. There are two major types of portable telephones: the cordless telephone used within a house or in a household vicinity and the cellular portable telephone used within a whole community or across geographical regions. This second type of wireless system is dependent on the availablity of cellular telephone service which has not yet reached some rural and remote areas. In both of these wireless circumstances, the telephone can be kept with the user instead of the user having to go with the telephone. This is ideal for an individual who is in a wheelchair or has severe mobility impairments.

Cordless and cellular telephones are available from telephone specialty distributors and from many department stores. Specific sources can be found in local yellow pages.

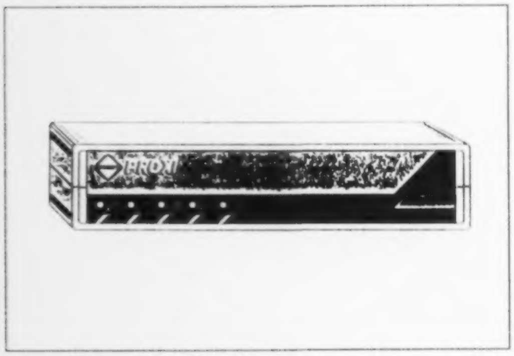


Product Name: PowerLink 2

Vendor: AbleNet, Inc.

Cost: $150.00

PowerLink 2 (formerly Ablenet Control Unit) is an environmental control unit which allows the user to operate two appliances simultaneously. Using any single switch (extra), the user may operate appliances using either a direct, timed, or latched mode. Direct control keeps the appliance on while the switch is activated. Timed control may be set to turn devices on for one second to sixty minutes; the timer stops at the end of the pre-set timing interval even if the switch remains activated. Latched control provides one-touch on and one-touch off.



Product Name: PROXi

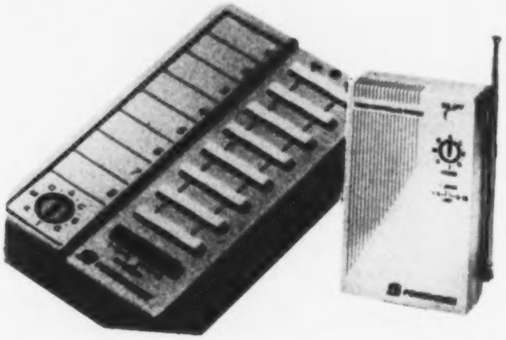
Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: Contact manufacturer

PROXi is a wireless environmental control system based on either a Macintosh computer or an IBM compatible PC running Microsoft Windows. Special software shows picture symbols for electrical devices (telephone, lights, TV, etc.) and the user can select the desired device by clicking with the mouse, or using an adapted input device for the Macintosh (purchased separately). The system can control lights and appliances (through X-10 control modules), telephone (including a variety of phone features such as speed dial and re-dial), intercom, and electronic devices that have remote controls such as TVs, VCRs and stereos. PROXi consists of special software plus an interface that connects to infrared controllers and X-10 controllers for appliances.

Voice command input is an option for the PROXi. A wireless remote microphone is available so that the user can command the system from a distance. PROXi can also be controlled by a wide variety of products in the disability industry.



Product Name: RC5000 Radio Home Control System

Vendor: X-10 (USA), Inc.

Weight: 4.5 lbs.

Power Source: 120V AC

Cost: $49.99

RC5000 Radio Home Control System is a radio-operated appliance control system. The RC5000 broadcasts a signal strong enough that the user can operate appliances (turn on lights, for instance) even from outside the house. The user presses a button on a hand-held transmitter. This transmitter broadcasts to a transceiver (transmitter/receiver) unit which has an electrical device plugged into it. This one device can be turned on or off, plus up to eight additional X-10 appliance control modules can be controlled by the transceiver. Thus the system can control up to eight appliances, each having a separate button on the hand-held transmitter unit.

The price listed is for the transmitter and transceiver unit (capable of controlling one appliance). Additional X-10 appliance control modules are available at extra cost ($14.99).

No Photograph Available

Product Name: RELAX (8200)

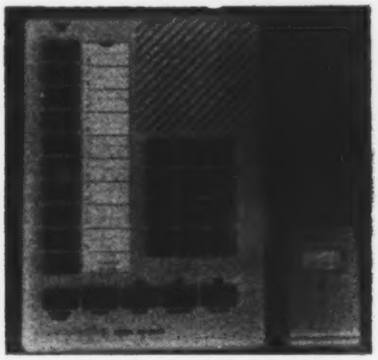
Vendor: TASH, Inc.

Size: 6" x 2.5" x 1"

Cost: $500.00

RELAX is a portable infra-red remote control system that can be used to remotely control VCRs, CD players, tape recorders, stereos, and televisions. The unit can be programmed to accept up to 40 remote functions (TV on/off, volume higher/lower, etc.).

A single switch for controlling RELAX must be purchased separately. Contact manufacturer for details on price and capabilities.



Product Name: Remote Control Speakerphone Model RC3000

Vendor: Ameriphone, Inc.

Size: 10" x 7" x 2"

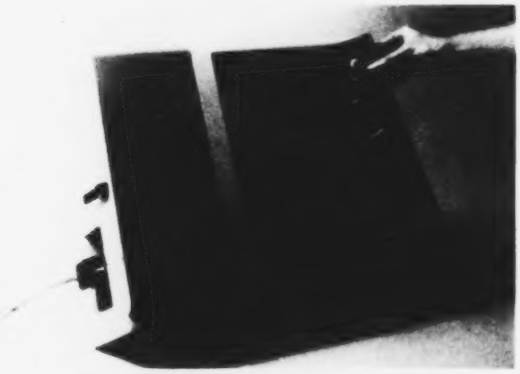
Weight: 3 lbs.

Power Source: 120V AC

Cost: $499.00

Remote Control Speakerphone is a programmable speakerphone and remote control unit. When the button on top of the remote control is pressed, a preprogrammed number (such as OPERATOR) is automatically dialed. The same remote control is used to answer incoming calls. The base unit and the remote control can also be controlled via various types of switches, and may have a headset or lapel microphone attached. Additional features include: oversized buttons, capacity for 18 programmable numbers, and NiCad battery backup.

A version without the remote control is available for $399.00.



Product Name: Saltus Reader

Vendor: Dickey Engineering

Size: 9" x 11"

Weight: 20 lbs.

Power Source: Rechargeable battery

Cost: $480.00

The Saltus Reader is a page turning device with 9 x 11 inch clear plastic pockets. Pages from textbooks or magazines must be taken out of the book/magazine and placed in the pockets, which the user scrolls through sequentially. Scrolling may be incremental or page at a time, both forward and back through the available pages. Only one side of the page is visible when scrolled, so two copies of the material to be read are needed.

A variety of switches are available to operate the Saltus Reader. Contact the manufacturer for details.

No Photograph Available

Product Name: Sapura S2000 CL

Vendor: Temasek Telephone, Inc.

Weight: 3 lbs.

Cost: $99.00

Sapura S2000 CL is a programmable voice activated telephone. Incoming calls can be answered by giving a spoken command within several feet of the phone and conversation can be carried on using the speakerphone or the standard handset. The phone automatically cuts off the connection when the other party hangs up. This product also features recall memory for up to 20 numbers, auto redial, last number redial, hold, flash, and shows duration of outgoing calls.

Product Name: Scanning Director

Vendor: Prentke Romich Company

Size: 7.75" x 4" x 1.5"

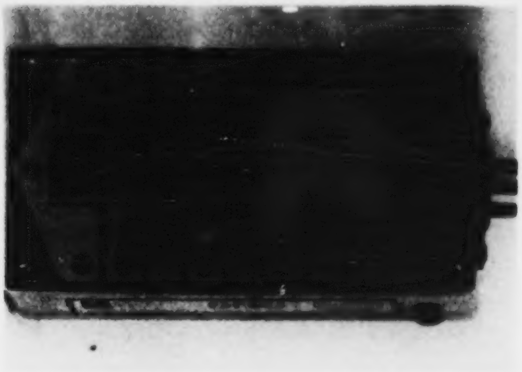
Weight: 14 oz.

Power Source: Rechargeable batteries

Cost: $685.00

Scanning Director allows multiple devices which use a remote control to be operated by a single or dual switch. Scanning Director offers both auto and manual scanning and adjustable scanning speed and acceptance time. Prompts in the back lit LCD display can be personalized up to 16 characters in length. Scanning Director allows the user to pick a channel number and then send it to the TV or radio rather than requiring the user to scan through each channel. Infrared emitters on both the top and back allow for a wide range of placement options.

Available optional equipment includes a Memory Transfer Interface to store commands onto a computer disk and reload them later ($115.00), Command Center to control incandescent lights or other appliances anywhere in the house ($135.00), and mounting kits for wheelchair ($145.00) or table ($110.00).



Product Name: Scanning Remote Control (SRC)

Vendor: APT Technology, Inc.

Size: 6" x 3.25" x 1.75"

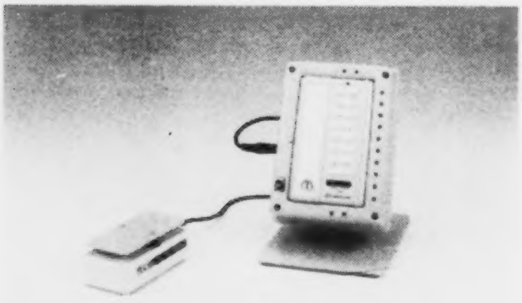
Weight: 1 lb.

Power Source: 12V DC

Cost: $490.00

Scanning Remote Control (SRC) is a scanning remote environmental control system that can operate two infrared controlled appliances, including TVs, VCRs, satellite systems, and home entertainment systems, or one appliance and up to 16 lights/appliances through the X-10 system. The SRC has two rows of selections, one row for each appliance. The user controls the appliances by scanning and selecting the various options with one or two switches. The user first selects the appliance to control, then scans through the various options--including turning an appliance on or off, selecting TV channels, and controlling a VCR. The SRC allows remote control of appliances (except telephones) in the same room as the user, or distributed throughout the house and yard and controlled by X-10.

There are three models of the SRC: the SRC-DWC, which uses the DU-IT wheelchair control system; the SRC-ECU, which uses a DU-IT MECCA or other environmental control system; and the SRC-IND, which can be controlled with just a single or dual switch. The appliance to be controlled must be equipped for infrared remote control, and the SRC must be custom programmed by DU-IT.



Product Name: Scanning X-10 Powerhouse

Vendor: Prentke Romich Company

Size: 6.75" x 4" x 2.5"

Weight: 1 lb.

Power Source: 4 "AA" batteries

Cost: $640.00

Scanning X-10 Powerhouse is a portable environmental control unit that can remotely turn appliances (lights, radio, etc.) on and off. Using a main control panel, the user selects any one of 8 - 16 appliances in the house and then chooses to turn it on or off. Selections are made by scanning with either one or two switches. The unit sends a radio signal through the household wiring to individual X-10 control units, which turn an appliance on or off. The user can control appliances from anywhere in a particular room, house or apartment.

Scanning X-10 Powerhouse will work with any standard switches (extra). Lamp/appliance modules are purchased separately as needed. With some wheelchairs there is also the option of controlling the unit from the wheelchair's joystick.

Product Name: SenSei System

Vendor: Safko International, Inc.

Computer: Apple Macintosh SE/II

Cost: $3,900.00 - $9,900.00

SenSei is an integrated environmental control, augmentative communication, and computer input system for the Macintosh computer that is designed to be accessible to people with disabilities. The included software and alternate input devices such as HeadMaster, modified joysticks, and trackballs give users the ability to control lights, televisions and other infrared devices, electric door locks, and other appliances. In addition, SenSei's augmentative communication features give the user the ability to write and send faxes, communicate by e-mail, and to talk on the telephone. Also, the system includes applications such as word processing, graphics, spreadsheets, and databases.

Product Name: Simplicity Series ECUs

Vendor: Quartet Technology, Inc.

Cost: $3,985.00 - $5,185.00

Simplicity Series ECU's are environmental control devices that can control up to 32 lights and appliances, telephone, up to six infrared remote control devices, electric bed, and accessories. Four models are available and can be purchased separately or as a package together.

Simplicity Series 5 and 6 are voice activated units for users with consistent voices. Series 7 and 7M are switch activated units designed for users without strong verbal abilities. Series 6 and 7M also enable the user to control a personal computer.

No Photograph Available

Product Name: Single-Appliance Continuous Control Unit

Vendor: Toys for Special Children, Inc.

Cost: $65.00 - $75.00

The Single-Appliance Continuous Control Unit allows the user to operate any AC appliance or device by continuously depressing the cordless remote switch. The appliance is plugged into the receiver module and goes on when the switch is pressed and stays on until the switch is released. The unit can also accomodate two switches to perform the on and off functions.

A momentary or two-switch latch model is also available. The device goes on when the switch is pressed and stays on until the switch is released, or one switch turns the appliance on and the other switch turns it off.

No Photograph Available

Product Name: Single-Switch Multi-Appliance Control Unit & Modules

Vendor: Toys for Special Children, Inc.

Cost: $200.00 and up

This device allows the user to control up to eight AC appliances or devices by operating a single remote switch. When the switch is pressed, a row of lights on the unit indicates whether each appliance is on or off. By holding the switch down, the user can scan from one light to the next until the desired appliance is selected. Releasing the switch turns the selected appliance either on or off. Momentarily pressing the switch again will return the selected appliance to its former state. The number of appliances to be scanned can be pre-selected from three up to eight, and a rate dial sets the scanning speed. The unit can be placed on a table top, or attached to a wheelchair or bedrail by means of a gooseneck and clamp.

The control unit costs $200.00 and the optional gooseneck with clamp is $23.00. The Plug-Mounted Module plugs into any electrical outlet and costs $16.00. The Wall Outlet Module that actually replaces the standard electrical outlet sells for $25.00. The Wall Switch Module which replaces standard wall switches and controls overhead and other built in lights sells for $16.00.

No Photograph Available

Product Name: Single-Switch TV Control Unit

Vendor: Toys for Special Children, Inc.

Cost: $140.00

This cordless unit allows the user to control the basic functions of any television set by operating any single switch. When the switch is activated and held, the various function indicators will start to light up in sequence. The user selects the desired function by releasing the switch when the corresponding light goes on. The user then can either scan through the selected function until the desired channel or volume is reached, or can change the channel or volume one step at a time by momentarily pressing the switch. The speed at which the unit scans can be adjusted to suit the user's abilities.

An optional gooseneck with clamp for mounting is available for $23.00.

Product Name: Sip/Puff Bed Control

Vendor: KY Enterprises

Weight: 1 lb.

Cost: $115.00 - $195.00

Sip/Puff Bed Control uses a puff switch to operate an electric hospital bed. The system includes a flexible tube and stand. One, two, or all of the following functions can be controlled: head up or down, foot up or down, and bed raise or lower.

Contact the manufacturer for information on specifications of bed model. One functions costs $115.00, two functions costs $155.00, and three functions costs $195.00.

No Photograph Available

Product Name: Speaker Phones

Vendor: Various (Generic Product)

Cost: Varies

Speaker phones can frequently be an alternative to the standard phone for persons with severe motor disabilities who may have trouble using a standard receiver. Instead of picking up the receiver and holding it to their ear, speaker phone users can simply press the "off hook" button to answer the phone or to initiate the phone calling process. However, the phones may need to be adapted so the off hook button is more accessible to persons using the system. Installing external switches or attaching a simple extension lever to the button will often solve the button access problem.

Speaker phones are widely available at electronics and hardware stores, and are relatively inexpensive. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

Product Name: Synergy Integrated Remote

Vendor: Synergy

Computer: IBM PC Family

Cost: $345.00 - $675.00

The Synergy Integrated Remote is an environmental control unit internal to the Synergy Computer System (see entry). The SIR allows the user to use the PC to turn any appliance on or off and operate any infrared controlled device. No additional equipment needs to be mounted to the user's wheelchair or control center.

The SIR requires a Command Center in each room from which the user wants to be able to send commands. The PC must be facing the Command Center in order for it to receive signals from the computer, so more than one is required if the user wishes to send commands from more than one location. One Command Center is included with the SIR and extras can be purchased for $60.00 each. X-10 modules ($25.00 each) are also required for each of the electrical items the user wishes to control.

No Photograph Available

Product Name: T-140 Series Puff/Sip Speakerphones

Vendor: Envirotrol Company, Inc.

Cost: $475.00

T-140 Series Puff/Sip Speakerphones are modified speakerphones that allows the user to place and answer calls through a sip and puff switch. The phone is fitted with a heavy-duty flexible gooseneck to permite precise positioning of the tubing. No additional power supply is required and the phone can be used by others by depressing a button on the phone.

Four models are available. The T-140 allows one number, usually "0" for operator, to be stored in the memory. The T-142 provides non-verbal communication capability. The T-144 has two tubes mounted on the end of the gooseneck that allow two additional numbers to be stored. The T-145 uses an external switch rather than the puff tube. Optional features include: remote "whisper" microphone, a privacy speaker with volume control, a gooseneck extension kit, counter-weight-slips to counter-balance the extended gooseneck, and a miniature pendant radio transmitter and receiver. Contact manufacturer for details.

Product Name: TEAM

Vendor: Microsystems Software Inc.

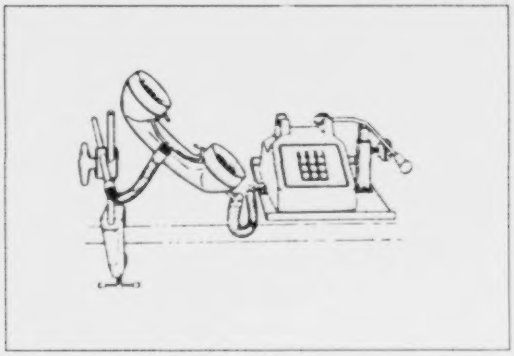
Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $495.00

The Transparent Environmental Access Module (TEAM) system is an environmental control based on a PC. The software, called Pop-ECS, can manage up to 256 different devices right from the computer within any application. TEAM can be activated from the keyboard or through alternate input systems including voice recognition products.

The TEAM system includes Pop-ESC software, manual, infrared controller, infrared receiver and X-10 controller, RS-232 cable and Security ID. Additional X-10 accessory modules are available from Radio Shack. Requires DOS 3.0 or higher and Windows 3.0 or higher.



Product Name: Telephone Holder & Line Connector

Vendor: Zygo Industries, Inc.

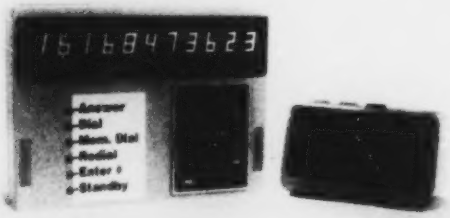
Size: 33" long

Weight: 1.5 lbs.

Cost: $160.00 - $295.00

Telephone Holder and Line Connector is a system for operating and speaking into a phone without having to pick up or hang up the receiver. The Telephone Holder is a clamp that holds the receiver. It is attached to mounting hardware for affixing to a stable surface. The Line Connector consists of a platform on which the phone rests and a lever mounted on the platform. By pressing on one end of the lever, the user causes the other end to either press down or release the receiver buttons.

The Telephone Holder is available separately ($110.00) and with the Line Connector ($200.00).



Product Name: Telephone Management System

Vendor: IC-Systems

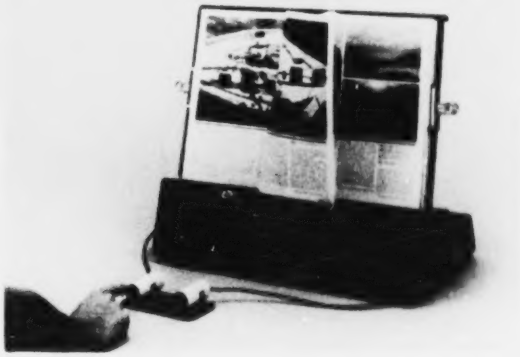
Weight: 4 lbs.

Power Source: 9V and 2 "AA" batteries

Cost: $550.00

The Telelphone Management System allows the user full use of telephone functions with a single switch. The user activates a switch twice to answer calls and then once to end the call. When the user wants to make a call, the device cycles through types of functions, such as dial and redial, allowing the user time to select from these. Then the product cycles through the numbers also allowing time for the user to make selections. If time elapses with no selections made, the product will begin its cycle again. The time allowed for selecting functions and numbers can be adjusted to three different speeds. This system also features memory dial, last number redial, speaker phone, and large number display. The key pad on the telephone can also be used without switch input.

A switch is not included with the system although a headset and wireless remote control are available as options. The device has a standard 1/8 inch plug and is compatible with most switches.



Product Name: Touch Turner

Vendor: Touch Turner

Size: 18" x 9" x 15"

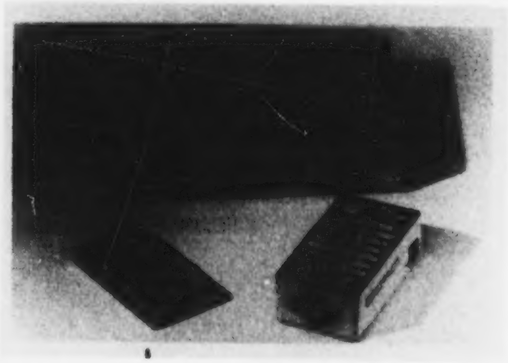
Weight: 14 lbs.

Power Source: 8 "D" batteries

Cost: Contact manufacturer

Touch Turner is a device that holds books and magazines, turning the pages automatically. Once a book is placed on the stand, the user can turn the pages simply by activating a single or dual switch. Activating the switch causes electrically powered turning arms to turn one page at a time.

Two models of Touch Turner are available: one that turns pages of hardcover books and magazines in one direction (single switch) and one that turns pages of hardcover books and magazines in either direction (dual switch). Touch Turner comes with one or two lever switches as appropriate. Other switches, including sip-and-puff, joy stick, and large target switches, and a 110-volt adapter are available at extra cost.

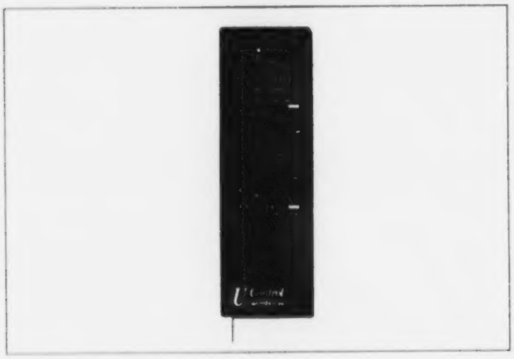


Product Name: TVRC and TVRCS

Vendor: APT Technology, Inc.

Cost: $645.00 - $685.00

TVRC and TVRCS are remote controls for TVs which allow control of a variety of functions. The TVRC and TVRCS are designed to be attached to TVs that are not already equipped with remote controls, allowing them to be operated with a single or dual switch using the Scanning Remote Control (also from DU-IT; see entry). The SRC is included as part of the package. The TVRC can control channel selection and will return the TV to the last channel selected after being turned off (not to channel two like most sets). The TVRCS provides non-scanning control of the TV. Two levels of simplified TV control are available.



Product Name: U-Control

Vendor: Words+, Inc.

Computer: IBM PC Family

Size: 7" x 2.5" x .5"

Weight: 4 oz.

Cost: $495.00

U-Control is an environmental control unit operated from a computer-based communication aid. U-Control can be operated from any Words+ communication or computer access system, including EZ Keys, WSKE, or Talking Screen. U-Control can control any household device currently controlled with an infrared remote control, such as TV, stereo or cable control box. U-Control can also control appliances such as lights, radio, fan, or power door locks, using remote appliance control units (X-10 controllers). The U-Control device sends signals to activate appliance control units, so no wire connections between the U-Control and the appliances are necessary.

The basic system consists of serial cable for connecting to communication aid, serial port infrared transmitter, infrared command center, one X-10 alarm/relay module and two X-10 appliance control modules. Additional appliance control modules are available. For items such as power locks and power drapes, additional equipment and installation may be required.

ULTRA4 SYSTEM

Product Name: Ultra 4 Remote System & Scanning Ultra 4

Vendor: TASH, Inc.

Power Source: 1 "AA" battery

Cost: Contact manufacturer

Ultra 4 Remote System is a remote environmental control system utilizing ultrasonic signals. A transmitter offering up to four channels of ultrasound transmission transmits to as many as four remote appliance control modules. These modules plug into a wall socket; the controlled appliance then plugs into the module. The transmitter and modules are color coded. Appliances must be no more than 500 watts, and must have two-prong plugs. The transmitter will not transmit through walls.

Transmitters available include a hand-held unit with four small buttons, a larger unit with four one-inch diameter buttons, a four direction joystick, a dual sip and puff transmitter, and a unit that accepts dual switch input. Scanning Ultra 4 allows the user to control four different signals with a single switch. Receivers available include wall socket modules, and a single or dual switch emulator. Contact manufacturer for price information for various components.

No Photograph Available

Product Name: Universal Control System with Tongue Touch Keypad

Vendor: New Abilities Systems, Inc.

Computer: Apple Macintosh Family

Cost: Contact manufacturer

The Universal Control System (UCS 1000) provides the user with evironmental control, computer access, and mobility control. The system mounts onto the user's chair and activates external equipment using radio frequency and infrared links. The TongueTouch Keypad is the input device for the system. The keypad has nine keys which are built into a standard dental retainer and activated through tongue pressure.

The TouchTongue is customized for each individual and is made from biocompatible materials that enable it to be worn at all times except during dental hygiene and meals. Contact the manufacturer for specific price and system customization information.

No Photograph Available

Product Name: Universal Remote Controls

Vendor: Various (Generic Product)

Cost: Varies

Remote controls of commercial electronic appliances, such as stereos and televisions, are common in the current mass market. While a remote control can be a major advantage for individuals with physical disabilities, if more than one remote control is being used, accessing multiple little handheld boxes can be difficult. One option to remove this barrier is a universal remote control which can be programmed to run multiple remote control infrared remote control units. This can particularly be helpful for individuals who use wheelchairs and/or have limited mobility and where accessing one device is more reasonable than dealing with several.

Universal remote controls are available from local electronic part stores and most electronic appliance stores, such as TV and stereo distributors. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

Product Name: Universal Telephone Adapter

Vendor: Extensions for Independence

Cost: $13.00

The Universal Telephone Adapter is a self-contained device for phone operation that consists of a gooseneck that holds the handset, and a toggle-type lever that allows the user to engage or disengage the receiver. Both the gooseneck and the lever are mounted on a base that also accomodates the phone (phone not included). The lever is adjustable for various types of phones.

No Photograph Available

Product Name: Universal Television Remote Control

Vendor: KY Enterprises

Size: 3" x 2"

Weight: 0.5 lb.

Power Source: "AAA" batteries

Cost: $115.00

Universal Television Remote Control is available in two models, puff switch and large buttons. The puff switch model operates channel up and down with more switches available at an additional cost. The large button model features oversize, heavy-duty buttons that control on and off, channel up and down, and volume up and down.

No Photograph Available

Product Name: URC-400 Series Universal Remote Control

Vendor: Envirotrol Company, Inc.

Cost: $345.00

URC-400 Series Universal Remote Control allows the user to control TVs, VCRs, and radios through a single remote control with either big buttons or a sip and puff switch. The unit can turn on and off a TV and change channels, turn on and off a radio and scan through 20 AM or FM stations, and perform record and play-back functions on a VCR. The URC can also be set to control different combinations of equipment in four different locations. Up to eight separate remote controls can be replaced with this device.

No Photograph Available

Product Name: VX-5000 Cordless Phone

Vendor: Advanced Peripheral Technologies

Cost: $699.00 (basic unit)

The VX-5000 is a completely handsfree telephone communication system. The system consists of a base unit, a compact cordless transceiver unit, and a Sip&Puff headset. The base unit plugs into an existing modular telephone outlet located anywhere in the home and the transceiver unit mounts on the user's wheelchair or is otherwise easily accessible. The user is able to connect to the operator by blowing and then sipping. The VX-5000 also has eight programmable memory locations for telephone numbers that are dialed often. The user may dial any of these telephone numbers by puffing through a menu and then sipping to select the desired number.

Three additional IBM computer based options are also available for an additional cost. Option one allows the user to move a modified joystick or use an optical keyboard to scroll through a computerized address book and selct the desired person. Option two and three allow the user to call another party directly by using only voice. Contact the manufacturer for information on how to create or modify a system for individual needs.

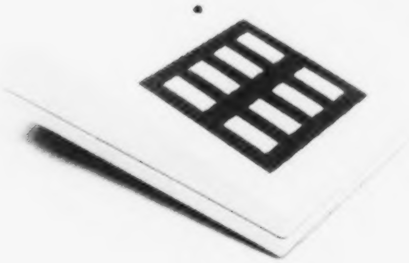
No Photograph Available

Product Name: Wireless TV & VCR Remote Controls

Vendor: Toys for Special Children, Inc.

Cost: $85.00 each

This Wireless TV & VCR Remote Controls provide large striking areas with colorful, clearly labeled 2" buttons for controlling the power, channel, volume on TV and appropriate VCR functions on the VCR model. The units use infrared technology and are compatible with most remote controlled TV's, cable boxes, and VCR's. Also, input jacks allow the use of any combination of external capability switches to control any or all functions.



Product Name: X-10 Home Control Interface

Vendor: X-10 (USA), Inc.

Computer: Apple IIc, Apple IIe, Apple Macintosh Family, Commodore 64, IBM PC Family

Cost: $69.99

X-10 Home Control Interface is a system for remote appliance control using a microcomputer (not included). The system consists of a computer control panel that connects to the computer and a series of X-10 Control Modules (see entry for X-10 Powerhouse System). The modules control individual appliances, lamps, thermostats, etc. An image of a particular room appears on the computer monitor, and the user adds a symbol for each appliance to be controlled in that room. Once the image of the room is composed, and the appropriate appliances are plugged into their control modules in that room, the user may display the room on the computer screen and control the appliances with a joystick. The joystick may also be used to initially select the desired room. The X-10 Home Control Interface can also be programmed using the computer and then disconnected and used separately.

Various types of control modules with various power ratings are available from the manufacturer. Cost of the system will vary depending on the number and type of controls desired.

Product Name: X-10 Powerhouse System

Vendor: X-10 (USA), Inc.

Cost: Contact manufacturer

X-10 Powerhouse System (formerly called X-10 System and BSR X-10 System) is a flexible remote appliance control system. A central control panel is plugged into a wall socket, and the desired appliances are plugged into appliance control modules around the house. The user selects which appliance he wants controlled on the central control panel, and a signal is broadcast through the house wiring to the appropriate control module. The module then turns the appliance on, off, up, down, etc. Many different types of control modules are available, including socket, wall switch, telephone, and thermostat models.

The system and components are sold by various manufacturers under various names. Some companies have versions with scanning control panels. Contact X-10 (USA) about what systems are available. Cost will vary. X-10 also offers a remote radio transmitter that allows control from a greater distance, such as outside the home.

342

Chapter 10

Call, Monitoring, and Memory Systems

This chapter contains special call buzzers, adaptations to hospital call systems, telephone emergency call systems, activity monitors for elderly and disabled persons, and memory aids and reminder systems for who are elderly or have cognitive disabilities. Automatic fire alarms, burglar alarms, etc. are not included in this chapter, although some aids which appear in this chapter could also have such features.

Some related functions found in Index 1 are Assessment (AS) and Training and Communication Initiation Aid (TR). Some of the related Input Types in Index 2 are Pressure Sensitive, Switch Input, and Noise.

The following product entries appear in this chapter:

Accularm, *311*
AlertCom, *311*
Auto Call Single Number Dialer, *312*
Beep-in-Touch, *312*
Beeper, *313*
Call Alert Model CA-100, *313*
Call Bell (4500), *314*
Call Signal 2, *314*
Chime Alarm, *315*
Cord-Mate, *315*
Digitized Speech Message Machines, *316*
E-Z Call, *316*
Emergency Call Alarm, *317*
Home Intercom Systems, *317*
Intercom (4392), *318*
JANICE Model 100 Invalid Security Alert System, *318*
Lighted Extra Loud Signalling Buzzer, *319*
Lighted Signalling Buzzer, *319*
NeuroPage, *320*
Omni Page System, *320*
PA-1 Portable Alarm, *321*
People Pager, *321*
Personal Alert Receiver, *322*
Personal Pager, *322*
Personal Pager, *323*
Personal Pagers, *323*
Remote Wireless Paging Alarm, *324*
Screamer Alarm, *324*
SideKick Receiver, *325*
Signal Buzzer, *325*
Sound Advice System, *326*
Vibra-Call Receiver, *326*
Watchman Master, *327*
WatchMate, *327*
WatchMate LC, *328*
Wireless Personal Pager, *328*

The following products from other chapters can also be used as Call, Monitoring, or Memory Systems:

Buzzer Box, *34*
Companion 401 Communicator, *125*
EZRA, *277*
First Aide Kit, *278*
Handheld Computers and Personal Organizers, *133*
High Tech/Low Cost, *223*
RC5000 Radio Home Control System, *291*
Vocal Assistant, *159*

Product Name: Accularm

Vendor: Hugh MacMillan Rehabilitation Centre

Size: 2.5" x 3.5" x 1.25"

Weight: 1 lb.

Power Source: 9V battery

Cost: $245.00 Canadian

The primary function of the Accularm is to provide a timed signal to a subject at regular intervals. It provides a chiming audio tone to an enclosed speaker or to an external ear phone. The amplitude level of the tone can be manually adjusted. The timing interval can be pre-set for 1 to 99 seconds. Internal circuits in the Accularm can be altered by manufacturer or engineering personnel to change this interval from seconds to minutes, and thus provide a timed interval of 1 to 99 minutes. This device can be used in research, clinical or therapy situations to remind or condition patients to perform a given task in the prescribed time interval. The Accularm can be used to remind subjects with difficulty in controlling drooling to swallow, or to remind persons with little sensation to move about to avoid pressure sores.

No Photograph Available

Product Name: AlertCom

Vendor: USA Company

Size: See text

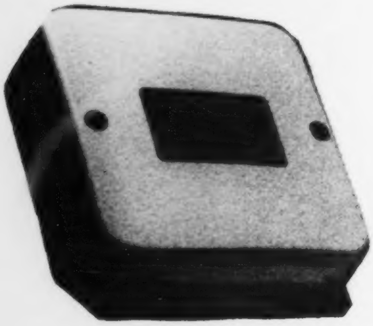
Weight: 0.75 oz.

Power Source: Lithium battery

Cost: $495.00

ALERTCom Alarm Speakerphone is a wireless, two way security telephone and emergency response system. The system consists of a hands-free speaker phone and a wrist or pendant transmitter. Pushing the transmitter activates the emergency response system and automatically dials 911 or an alternate emergency number. The microphone in the telephone allows the 911 operator to listen-in and communicate with the user. Up to three emergency numbers can be programmed into the device. When activated, the first number is dialed. If after five rings there is no answer, the unit then dials the second number and so on. The telephone console base measures 6" x 8" x 3" and the transmitter measures 1" x 1" x 0.25".

Five models of transmitters are available: a pendant on a chain, a wrist-watch type on an expanding bracelet or a leather clasp with a clasp, a pin-on brooch type, a hang-on beeper type, and a Velcro backed stick-on type.



Product Name: Auto Call Single Number Dialer

Vendor: Ameriphone, Inc.

Cost: $195.00 - $249.00

The Auto Call is a 16-digit programmable dialer designed for "hot line" or emergency calls. Lifting the telephone handset or pushing a button will cause the pre-programmed number to be dialed. The Auto Call features true dial tone detection, and does not require an external transformer or batteries.

The Auto Call is available in two models: Model 1001 with pulse output ($195.00), and Model 2501 with touch-tone output ($249.00).

Product Name: Beep-in-Touch

Vendor: Hersh & Treadgold

Computer: Apple Macintosh Family, IBM PC Family

Cost: $295.00

Beep-in-Touch is a time management and cueing software program based on the NeuroPage program (see entry). Beep-in-Touch allows the user or caregiver to program cues and schedules for transmission at any time and date. At the appointed time and date the program retrieves the file, determines the cue to be delivered, and transmits the cue by modem to the transmitter of a paging company. The cue is converted to a radio signal and transmitted to the receiver. Beep-in-Touch can be used on home computers for up to three users.

The Macintosh version requires system 7 or higher, a Hayes compatible modem, and 4MB RAM minimum. The IBM version requires Microsoft Windows 3.0 or higher, a Hayes compatible modem, and 4MB RAM minimum. An alphanumeric receiver and a contract with a paging company for transmission service are also required.

Product Name: Beeper

Vendor: Crestwood Company

Size: 5.5" x 5.5"

Weight: 11.5 oz.

Power Source: 9V battery

Cost: $37.95 - $52.95

The Beeper is a device that can be used to attract attention or to train individuals who are beginning to use a single switch.

Three models are available. The Beeper ($37.95) consists of a flat plate which is activated by pressure on the top surface. This signal allows single switch signalling for producing individual codes or Morse codes. The Adapted Beeper ($47.95) has a 1/8" plug for attaching a single switch. The Adapted Light Beeper ($52.95) is the Adapted Beeper with a light that goes on when the beeper is activated.

Product Name: Call Alert Model CA-100

Vendor: Ameriphone, Inc.

Size: 1" x 3" x 4.5"

Weight: 0.25 lb.

Cost: $34.95

Call Alert is a signalling device that may be used to provide visual indication of an incoming phone or TDD call. The device is plugged into a lamp. When a call is received, Call Alert causes the lamp to flash on and off.

A lamp using a bulb of up to 300 watts is required. Contact manufacturer for further details.

Product Name: Call Bell (4500)

Vendor: TASH, Inc.

Size: 4" x 2" x 1"

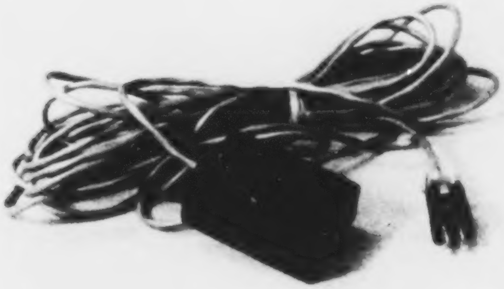
Weight: 8 oz.

Power Source: 9V battery

Connector Type: 3.5 mm phone plug

Cost: $75.00

Call Bell is a device that sends out a tone when activated by a single switch. The single switch is connected to the jack on the Call Bell. Momentary contact triggers one tone of predetermined length. Call Bell volume is increased with the addition of a 9 volt battery.



Product Name: Call Signal 2

Vendor: Prentke Romich Company

Size: 4.75" x 2" x 2"

Weight: 1 lb.

Power Source: Rechargeable batteries

Cost: $70.00

Call Signal 2 is a signaling device activated by any single or dual switch. If a dual switch is used, activation of either switch will produce a tone, and one of two lamps on the Call Signal 2 will light. Activation with a single switch produces a tone only. Call Signal 2 may also be used as an evaluation and training device for individuals learning the use of control devices. Call Signal 2 comes with a 25-foot cord.

Input is made to Call Signal 2 by any single or dual switch (extra). Call Signal may be used as an accessory to the Control 1 environmental control system (see entry, Prentke Romich).

No Photograph Available

Product Name: Chime Alarm

Vendor: Don Johnston Incorporated

Power Source: 9V battery

Connector Type: Mini-phone plug

Cost: $55.00

Chime Alarm is a switch operated device that emits a musical tone. The distinct tone may be used to call for help or begin a conversation. The tones may also be used to indicate "yes" and "no."

Chime Alarm may be activated by any single switch with a 1/8" mini plug.

No Photograph Available

Product Name: Cord-Mate

Vendor: Cord-Mate, Inc.

Cost: $275.00

Cord-Mate is a wireless emergency call system that works with existing pull-cord or push-button call systems in care facilities. The system consists of a transmitter with a large button that can be worn on a necklace or wristband and a receiver that attaches to the facility call system. When the button is activated the receiver activates the call system and staff is notified.

No Photograph Available

Product Name: Digitized Speech Message Machines

Vendor: Various (Generic Product)

Cost: Varies

A number of low cost digitized and recordable speech message makers are available for people who have communication or cognitive disabilities where recorded voice output is desirable. While there are many uses for message makers they tend to fall under one of two categories: to provide auditory messages to oneself or to provide vocal messages to other individuals. In the first category, they are used for personal reminders such as a brief grocery list, where the car is parked, appointments, etc. In the second category, they are used somewhat like a telephone answering machine by individuals who cannot physically or cognitively use written notation.

Digitized and recordable message makers are available from most electronic stores, office product stores, many gift types of catalogs, and some toy stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, and in listings from local rehabilitation service delivery programs.

Product Name: E-Z Call

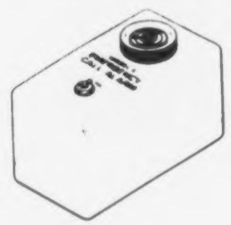
Vendor: Med Labs, Inc.

Connector Type: 1/4" phone plug

Cost: $48.50

E-Z Call is a switch designed to activate a hospital nurse call system. The pressure plate is mounted where the user may apply slight pressure to it with some part of the body in order to activate it. A 10-foot cord is provided.

Technically, E-Z Call is only a switch; it must be connected to a hospital call system to operate. The manufacturer also makes a portable alarm which E-Z Call may be plugged into (see entry for PA-1 Portable Alarm, Med Labs).



Product Name: Emergency Call Alarm

Vendor: Zygo Industries, Inc.

Size: 2.5" x 4.6" x 3.6"

Weight: 9.5 oz.

Power Source: 2 9V batteries

Connector Type: Mini-phone plug

Cost: $210.00

Emergency Call Alarm is a signalling device that emits a piercing, fast-pulse, intermittent tone. A single switch (not included) is used to activate the alarm.

No Photograph Available

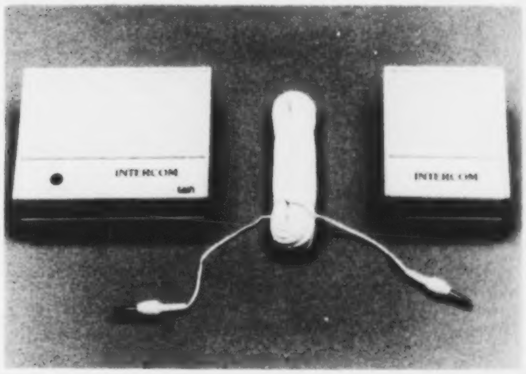
Product Name: Home Intercom Systems

Vendor: Various (Generic Product)

Cost: Varies

Home intercom systems are helpful for allowing individuals with severe motor disabilities to communicate with someone in a different part of the home. In some cases these systems can be used from within a home to the immediate outside vicinity. Home intercom systems are of several types: specific devoted home intercom systems that are mounted and wired within the walls fo the home, portable types of home intercom systems such as commonly used as baby monitors, and telephones which have home intercom mechanism within them.

Home intercom systems are available from most electronic product stores. Additionally, some home builders are familiar with intercom systems that can be built into a home. Specific sources can be found in the local yellow pages, in the manufacturer list of this book, and in listings from local rehabilitation service delivery programs.



Product Name: Intercom (4392)

Vendor: TASH, Inc.

Size: 4.75" x 4" x 1.75"

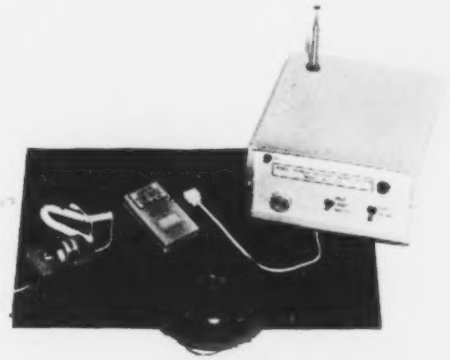
Weight: 4 oz.

Power Source: 120V AC

Connector Type: 3.5 mm phone plug

Cost: $300.00

Intercom Unicontrol is an intercom system that can be controlled from one end by a single switch (extra). One momentary activation of a switch connected to the base station allows the user to listen to the remote station. A second activation of the switch allows the user to be heard at the remote station. Intercom Unicontrol switches off automatically 15 seconds after the last switch closure.



Product Name: JANICE Model 100 Invalid Security Alert System

Vendor: JANICE Invalid Security Alert Systems, Inc.

Size: 2" x 4" x 0.75"

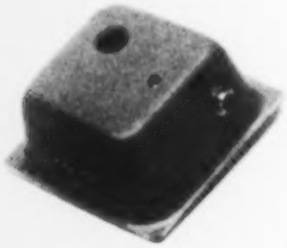
Weight: 4 oz.

Power Source: 9V battery & AC

Cost: Contact manufacturer

The Janice Invalid Security Alert System is an alarm system that may be attached to standard wheelchairs, clipped on a belt, or carried by hand. The system is designed to ring an alarm to signal a need for help, either in the building where the user is or at an outside location. The system can be activated by hand, and will activate automatically if a wheelchair user falls from or tips over in the wheelchair. The system may also be used as a burglar alarm. The system may be customized to individual needs.

Contact manufacturer for information on availability and pricing.



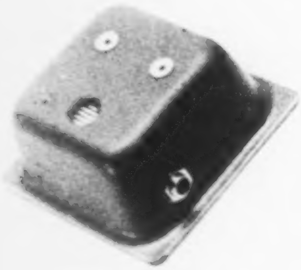
Product Name: Lighted Extra Loud Signalling Buzzer

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone plug

Cost: $35.00

Lighted Extra Loud Signalling Buzzer is a buzzer activated by a single switch. When the switch (extra) connected to the buzzer is depressed, a light on the buzzer lights, a loud piercing buzz sounds, and the unit vibrates (informing the deaf/blind user that the device has been activated).



Product Name: Lighted Signalling Buzzer

Vendor: Toys for Special Children, Inc.

Connector Type: 1/4" or 1/8" phone plug

Cost: $30.00

Lighted Signalling Buzzer is a buzzer unit activated by a single switch (extra). When the switch is depressed, the buzzer sounds and a light on the unit lights.

Product Name: NeuroPage

Vendor: Hersh & Treadgold

Size: 3" x 2" x 1"

Cost: Contact manufacturer

NeuroPage is a cognitive prosthesis reminder system that operates through a standard commercial paging system. The user wears a small pager which provides specific reminders of things which need to be done at the time they need to be done. The device will beep, and also display a short message of up to 250 characters. The text of the reminders and their times are typed into a personal computer. One computer can be set up to serve 100 individuals or more. When a message is due to go out, the computer sends it by modem to the paging service, which then sends it out by radio wave to the paging unit the individual is wearing. If desired, the system can request that the individual call back to verify that a task was done, and can automatically record that the call-back occurred without having a person answer the call. Since the system uses a commercial paging service, an individual can be reached anywhere that the paging service can access, allowing NeuroPage to be used in both inpatient and outpatient settings.

No Photograph Available

Product Name: Omni Page System

Vendor: Silent Call Corporation

Size: See text

Power Source: Rechargeable battery

Cost: $224.85

Omni Page is a wireless paging system that permits the user to signal another person within an effective range of 100 feet. The system includes a pager (2.25" x 1.25" x 0.5"), a receiver (5" x 3" x 1.25"), and a battery charger. Pressing a button on the pager transmits a signal to the receiver and the receiver will vibrate.

A head activated switch for use with Omni Page is also available.

Product Name: PA-1 Portable Alarm

Vendor: Med Labs, Inc.

Power Source: 9V battery

Connector Type: 1/4" phone plug

Cost: $39.00

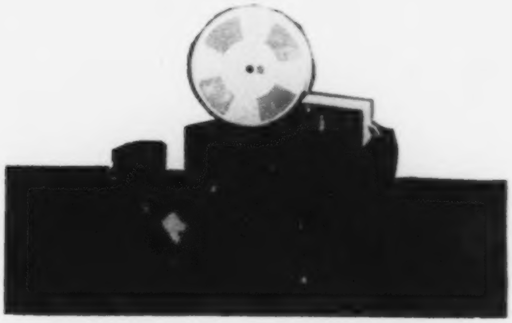
PA-1 Portable Alarm is a portable alarm unit intended for use with the E-Z Call nurse call switch (see entry, Med Labs) where a central call system is not available. When the switch plugged into the PA-1 is activated, the PA-1 emits a shrill whistle, similar to a tea kettle.

Product Name: People Pager

Vendor: HARC Mercantile, LTD

Cost: Contact manufacturer

People Pager is a paging system that uses sound and vibrating action as a communication link between people. The hand-held transmitter includes a rechargeable battery and is activated by pushing a button on it. The receiver is a compact belt-pack that beeps and vibrates when the transmitter is activated. The system features a paging range of over 1,500 feet and can be used indoors or out-of-doors.



Product Name: Personal Alert Receiver

Vendor: Silent Call Corporation

Size: 5" x 3" x 1.25"

Weight: 7 oz.

Power Source: Rechargeable batteries

Cost: $199.95

Personal Alert Receiver is a receiver that alerts the hearing impaired user to a variety of stimuli in the household. The user wears the receiver unit that will simultaneously vibrate in response to a signal from any of several transmitted signals. Transmitters are available for detecting: sound (such as a baby's cry), smoke in the house, telephone ringing, door bell ringing, or a pager. The receiver unit has four different signals that can light up, indicating the four transmitters. A pager transmitter is also available which one person can use to signal another person in or around the home.

Available components include the Personal Alert Reciever, Smoke Detector with transmitter ($99.95), Doorbell transmitter ($59.95), Telephone transmitter ($59.95), Rechargeable Sound Monitor ($98.95), Pager transmitter ($59.95), Sleep-Alert/Charger for 24 hour operation ($106.95), Bed vibrator ($29.95), and a strobe light ($89.95).

No Photograph Available

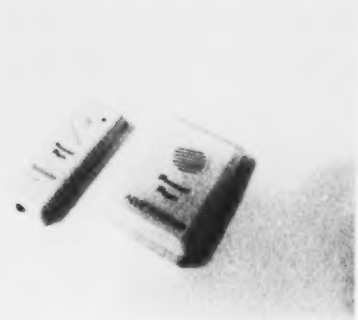
Product Name: Personal Pager

Vendor: Access to Recreation, Inc.

Power Source: 12V & 2 "AA" batteries

Cost: $39.95 - $89.95

The Personal Pager can send a call signal up to 100 feet through most walls and floors. The transmitter includes a cord and the receiver has a clip for attachment to a belt. The receiver is available with chime or vibrating notification.



Product Name: Personal Pager

Vendor: Adaptivation, Inc.

Size: 1.5" x 4.5" x 1" (transmitter)

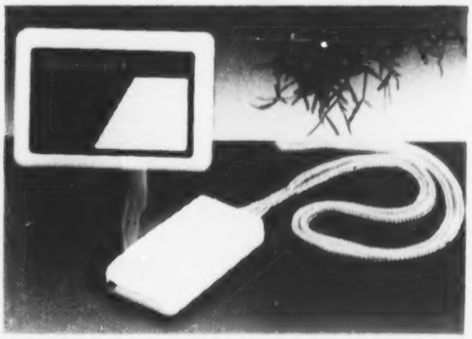
Weight: 1 lb.

Power Source: 1 9V and 3 "AA" batteries

Connector Type: Mini-phone jack

Cost: $59.00

Personal Pager is a wireless, battery operated call device consisting of a transmitter and a receiver. The transmitter can be activated by pushing the button on the device or through an adaptive switch (not included). The device runs on three selectable channels so up to three Personal Pagers can be used in the same area.



Product Name: Personal Pagers

Vendor: Greatest of Ease Company

Power Source: 12V & 2 "AA" batteries

Cost: $39.95 - $89.95

The Personal Pagers consist of a portable and lightweight transmitter and receiver with a range of about 100 feet. A beeping or vibrating receiver is available. Both can be clipped to a belt or carried in the pocket and the beeping model can also be mounted on a wall. A push button or sound activated transmitter is also available. The sound activated model features an adjustable sensitivity control.

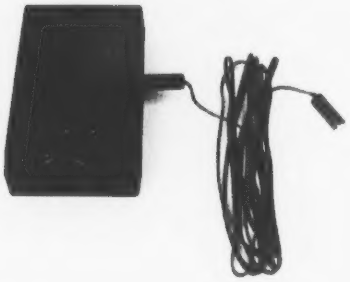
Product Name: Remote Wireless Paging Alarm

Vendor: Crestwood Company

Connector Type: 1/8" phone plug

Cost: $34.95 - $49.95

The Remote Wireless Paging Alarm signals up to 100 feet away. The transmitter is activated by pushing a button on the device; a chime is sounded on the receiver. A switch adapted version ($49.95) is also available that allows the device to be operated by a single switch. No sound is emitted in the room with the transmitter.



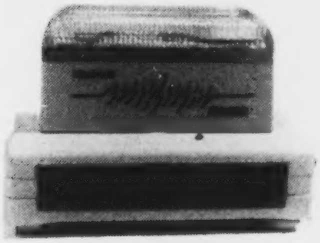
Product Name: Screamer Alarm

Vendor: Crestwood Company

Power Source: 9V battery

Cost: $49.95

The Screamer Alarm emits a high-pitched signal and can be activated by any switch (not included). Comes with a 10 foot cord so alarm can be placed in hallway or away from user. Battery is included.



Product Name: SideKick Receiver

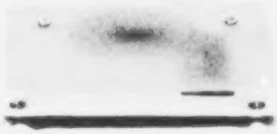
Vendor: Silent Call Corporation

Size: 5" x 3" x 1.25"

Power Source: 120V AC

Cost: $167.95

The SideKick Reciever offers the same monitoring capabilities as the Personal Alert Receiver (see entry), but is equipped with an ADA approved flashing strobe light and optional bed vibrator. The SideKick is a portable, tabletop unit that plugs into a wall outlet. When the SideKick receives a signal from a transmitter, the strobe light is activated and flashes for 20 seconds and then shuts off automatically. The device works with any of the manufacturer's transmitters. The SideKick features a range of up to 100 feet.



Product Name: Signal Buzzer

Vendor: Toys for Special Children, Inc.

Size: 3" x 5", 5" x 8", 8" x 13"

Connector Type: 1/4" or 1/8" phone plug

Cost: $25.00 - $37.00

Signal Buzzer is a plate switch with a built-in buzzer. When the plate on top is pressed, the buzzer sounds. Three sizes are available: 3" x 5", 5" x 8", and 8" x 13". The Signal Buzzer is available with either 1/4" or 1/8" phone plugs. Extra loud models in each size are also available.

No Photograph Available

Product Name: Sound Advice System

Vendor: Sound Advice Systems, Inc.

Size: See text

Weight: See text

Cost: See text

The Sound Advice System is a nonintrusive audible signage using a wireless transmission to capture information and direct it to a user. The system is viable in standard "sign" applications, i.e. Automated Teller Machines, electronic games, subways, worksite applications, etc. The user carries a receiver and ear-piece (3" x 1" x 2", 6 oz.) that picks up a private signal emitting from a radio-based transmitter (8" x 3" x 7", 13 oz.).

Receivers cost $45.00 each. Price for transmitters varies; jobs are quoted by application.

No Photograph Available

Product Name: Vibra-Call Receiver

Vendor: Silent Call Corporation

Size: 5" x 3" x 1.25"

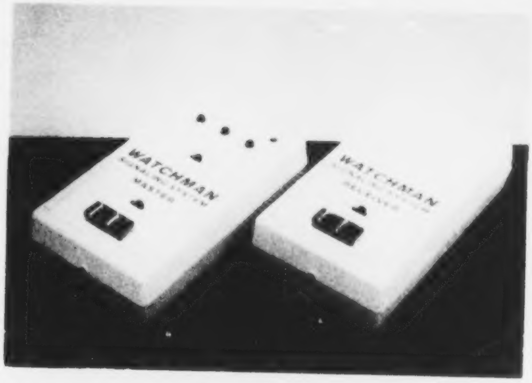
Weight: 7 oz.

Power Source: Rechargeable battery

Cost: $329.95

Vibra-Call is a receiver that can be used to alert persons who are deaf-blind to a variety of household stimuli. The user wears the receiver unit that vibrates in response to a signal from any of several transmitters around the house or workplace. The user then presses each of the four push-button switches on the top panel of the receiver; this causes the receiver to revibrate to indicate which transmitter was activated. The system can be used with one receiver and as many transmitters as desired.

Components may be purchased separately: receiver ($329.95), smoke detector with transmitter ($99.95), doorbell transmitter ($59.95), telephone transmitter ($59.95), rechargeable sound monitor ($98.75), pager transmitter ($59.95), sleep-alert/charger ($106.95) for 24 hour operation, and bed vibrator ($29.95).



Product Name: Watchman Master

Vendor: Ultratec, Inc.

Size: 6" x 3.5" x 1.75"

Weight: 26 oz.

Power Source: 120V AC

Cost: $34.95 - $49.95

Watchman Master (formerly Watchman Phone Master) is a system for detecting sounds around the household. The system consists of two units, a master and a receiver. When the master unit detects a sound, it flashes any household lamp plugged into it. The master unit can be set to send a signal to a receiver unit, so a lamp can be flashed elsewhere in the home as well. As many masters and receivers as needed can be added to the system. Sensitivity and flash rate are adjustable.

The master unit is available for $59.95; the receiver is available for $34.95.

Product Name: WatchMate

Vendor: Instantel

Cost: Contact manufacturer

WatchMate is a monitoring system designed to allow people to move freely within designated areas and alert care providers through wireless transmitters if the person has left the designated area. The basic system is comprised of transmitters, sensors and a monitor. Each person wears a transmitter which emits a unique identification signal.

Various optional features include a pager interface to alert staff while away from the monitor, a portable locator, a central controller for various monitors, and WatchMate software to provide access to security control.

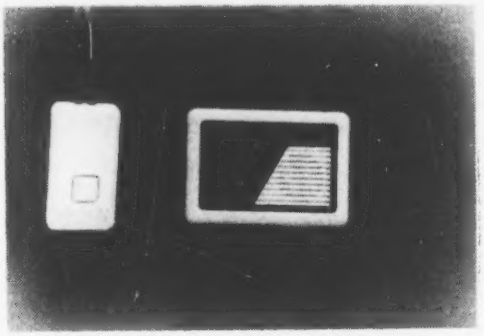
Product Name: WatchMate LC

Vendor: Instantel

Cost: Contact manufacturer

WatchMate LC is designed with the same technology as WatchMate but is smaller in scale and price. Features include a radio frequency escort key that can be used by staff to turn off an alarm or to escort a monitored person through the door. Sensors can be installed without facility modification. Tags are waterproof and easily cleaned.

Contact the manufacturer for further information on customized systems.



Product Name: Wireless Personal Pager

Vendor: Luminaud, Inc.

Power Source: 12V & 2 "AA" batteries

Cost: $35.00 - $75.00

The Wireless Personal Pager can summon help or attention from up to 100 feet away by pressing a button on the transmitter. Either standard beeping or vibratory receiver units are available.

Chapter 11

Modifications for Standard Keyboards and Mice

This chapter contains hardware and software which modify how a computer's standard keyboard operates. Hardware adaptations in this chapter include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for rearranging the keyboard, and programs that electronically "lock" keys such as SHIFT.

This chapter only lists products which adapt a computer's standard keyboard. Actual alternative keyboards are listed in Chapters 12 and 13. Adaptations and modifications for parts of the computer other than the keyboard can be found in Chapter 18 (Other Adaptations).

Relevant function codes for this chapter include Keyguard (KG), Typing Acceleration Program (TA), and Repetitive Strain Injury Prevention (RS). A number of the products in this chapter are cross-listed by function in Index 1, and by input/output features in Index 2. A related input feature is Input Expand/Accel: Abbreviation Expansion. Appendixes A-C include many information summaries of interest to disabled computer users.

The following product entries appear in this chapter:

1-Key, *331*
Access Pack for Microsoft Windows, *331*
AccessDOS, *332*
Articulating Drawers, *332*
ASER Ergonomic Keyboard Layout, *333*
Aurora for Windows, *333*
Braille Keytop Labels, *334*
Brailled Keyboard Overlay for the Apple IIGS, *334*
CarpalRest, *335*
Combination Braille/Large Print Keytop Labels, *335*
Comfortype, *336*
Custom Keyguard, *336*
DataArm, *337*
Dvorak Computer Keyboard, *337*
Dvorak Conversion Keytop Labels, *338*
Dvorak Keyboard Layouts, *338*
E Z Keys, *339*
Easy Access, *339*
Ergorest Articulated Forearm Rests, *340*
Expanded Keyboard Emulator, *340*
Filch, *341*
FlexShield Keyboard Protectors, *341*
Half-QWERTY One-handed Keyboard Software, *342*
HandiKEY and HandiKEY Deluxe, *342*
HandiSHIFT, *343*
HandiWORD and HandiWORD International, *343*
Help U Type, *344*
High Dots, *344*
Home-Row Key Indicators, *345*
HX-20 Protective Cover, *345*
JDN Shorthand (5073), *346*
KeyAbility, *346*
Keyboard Covers, *347*
Keyboard Overlays for Apple IIe and IIgs, *347*
Keyboard Wrist Rest, *348*
Keycache, *348*
KeyGuard, *349*
Keyguard, *349*
Keyguards, *350*
Keylocks, *350*
KeyMagic, *351*
KeyREP, *351*
KeyStopper, *352*
KeyWiz, *352*
LAP CAT, *353*
Left or Right Handed Keyboards, *353*
MacQWERTY, *354*
Magic Fingers, *354*
Moisture Guard, *355*
MOUSE PERCH, *355*
NOHOLD, *356*
Notebook Computer Wrist Rest, *356*
OmniKey Keyboards, *357*
On/Off Adaptor Switch, *357*
One-Hand Keyboard Package, *358*
PAL, *358*
PECK Computer Software, *359*
PowerPad Keyguard, *359*
PRD+ (Productivity Plus) Basic Edition, *360*
Prefix, *360*
ProKey, *361*
QuicKeys, *361*
Reinforced Keyguard, *362*
Roll & Slide Keyboard Wrist Support, *362*
SafeSkin Keyboard Protector, *363*
Step On It! Computer Control Pedals, *363*
Stick-On Keylocks, *364*
Stickey, *364*
Tempo for Windows, *365*
Tempo II Plus, *365*
TempoEZ, *366*
TimeOut UltraMacros, *366*
Uni-Key, *367*
VT520 Terminals - Accessibility Features, *367*
WordWriter, *368*
WRIST PERCH, *368*
ZoomCaps, *369*

The following products from other chapters can also be used as Modifications for Standard Keyboards or Mice:

Adaptive Firmware Card Model G32e, *374*
Gus! Multimedia Speech System, *133*
Help U Type and Speak, *135*
MacroMaster/pro, *411*
MiniErgo-MF2, *417*
T-TAM Keyboard and Mouse Emulator, *463*

Product Name: 1-Key

Vendor: Neil Squire Foundation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual, Printed Manual

Cost: $15.00

1-Key is designed to allow the one finger, headstick, or mouthstick computer user to use standard software for the IBM PC series of computers. The program remains resident in the computer once invoked. The program allows one finger use of the Shift keys, Control key and Alt key. Depressing and releasing one of these keys once makes it active for the next key. 1-Key also allows the standard key repeat function to be turned off (e.g., only one letter will be typed regardless of how long the key is held down).

Product Name: Access Pack for Microsoft Windows

Vendor: Microsoft Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: Free

The Access Pack for Microsoft Windows contains access features for IBM computers running Microsoft Windows. The program is customizable. The driver implements the following: BounceKeys (prevents double characters from being typed when a key is accidentally hit when releasing or pressing it), StickeyKeys (provides latching or locking of "modifier" keys such as SHIFT, CTRL, and ALT), RepeatKeys (permits adjusting of both the amount of time a key is held down before it starts to repeat and the key repeat rate), SlowKeys (permits specification of how long a key must be held down before it is registered by the computer), MouseKeys (provides emulation of mouse functions from the keyboard keypad), ToggleKeys (provides tones representing the status of the Caps Lock, Scroll Lock, and Num Lock keys), and SerialKeys (permits communication aids to be used as computer input devices). Separate purchase of Access Pack for use with Windows 95 is not required; all features are integrated into the operating system.

The Access Pack can be downloaded from Microsoft OnLine, CompuServe, Genie, via FTP at trace.wisc.edu or microsoft.com, or may be ordered from Microsoft at (206) 637-7098.

Product Name: AccessDOS

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: Free

AccessDOS is a software program which provides keyboard modifications. StickyKeys allows the user to press each key separately when performing a multiple key operation. MouseKeys enables the numeric pad to emulate the mouse. RepeatKeys controls how fast keys repeat when they are held down (or turns repeat off); SlowKeys determines how long a key must be held down before it is activated. BounceKeys prevents double characters from being typed when a key is accidentally hit when releasing or pressing it. SerialKeys controls the keyboard and mouse functions using a special input device (extra) attached to the serial port. ToggleKeys uses a "beep" to indicate when the Caps Lock, Num Lock, or Scroll Lock have been activated. ShowSounds displays a small musical note or blinks the screen when the computer makes a sound.

AccessDOS is compatible with IBM computers. The program comes with a user's guide, registration card, one 3.5" disk, and one 5.25" disk. For information on this product contact the IBM Corporation Special Needs Systems; to order the program, call 1-800-426-7282 (in U.S.), 1-800-465-7999 (in Canada), 112-800-465-1234 (in British Columbia), and 1-414-633-8108 (in Alaska).

Product Name: Articulating Drawers

Vendor: AliMed Inc.

Computer: All (Hardware Independent)

Cost: $159.95 - 169.95

The Articulating Drawer is a plastic molded tray designed to hold a keyboard and mouse. The drawer is mounted on ball bearings and can be extended up to fifteen inches from its housing. The keyboard can be left in the drawer at all times.

Articulating Drawers are available in two models. The Extended Drawer ($169.95) can be raised or lowered up to five inches. This drawer model is pulled in and out of a metal housing; the user's computer is placed on top of the housing. The Underdesk Drawer ($159.95) is mounted under the desk top. This second model allows the user to store the keyboard under the desktop when it is not in use.

Product Name: ASER Ergonomic Keyboard Layout

Vendor: AliMed Inc.

Computer: IBM PC Family

Cost: $99.00

ASER Ergonomic Keyboard Layout is designed to reduce typing related stress by cutting finger travel in half. The package consists of software, on-line tutorial, and keytop labels. Frequently used letters are moved to home row and transparent labels show both keyboard layouts simultaneously. To ease transition, letters are kept near their original placement.

Product Name: Aurora for Windows

Vendor: Aurora Systems, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $430.00

Aurora for Windows is a word prediction and communication program for Microsoft Windows applications. Multiple Word Prediction allows the user to enter two, three, or more words with a single keystroke without preprogramming. Aurora Prediction applies grammatical rules to reduce the number of inappropriate words presented in prediction. The program starts with a dictionary of about 190,000 words and phrases and is virtually unlimited in size. Conversational communication can be accomplished through the Talk feature, which lets the user compose messages at any time for speech output. Speech output is provided through most popular synthesizers including the CarryCom, Multivoice Dectalk, SoundBlaster, AWE32 DecTalk, PC RealVoice, and Soundblaster Monolog for Windows.

Aurora for Windows requires 80386 CPU, Windows with 4 MB RAM, and 12 MB disk space.

Product Name: Braille Keytop Labels

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $19.95

Braille Keytop Labels are kits of transparent adhesive labels with braille symbols on them. The labels can be stuck to keytops to allow for tactile recognition of keys. They are designed to fit IBM PC and look-alike keyboards.

Quantity discounts are available on Braille Keytop Labels.

Product Name: Brailled Keyboard Overlay for the Apple IIGS

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIGS

Size: 15" x 4"

Cost: $25.95/package of five

The Brailled Keyboard Overlay for the Apple IIGS is a molded plastic cover with braille symbols that fits over the computer keyboard. The cover provides braille symbols for every key on the keyboard. The shape of each key and the appropriate braille symbol are raised for easy tactile recognition.

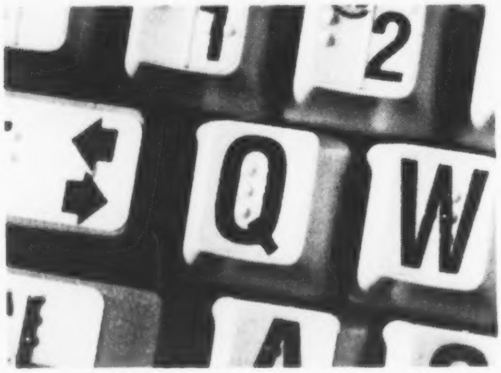
Product Name: CarpalRest

Vendor: Fox Bay Industries, Inc.

Computer: All (Hardware Independent)

Cost: $34.95 - $259.95

CarpalRest is a family of wrist supports for computer users. In addition to the standard non-adjustable model, CarpalRest is available as adjustable height, high-profile for taller heyboards, articulating, and integrated into a keyboard drawer. Supports for laptop computers and mouse use are also available. Carpal Rest supports are covered with soft fabric in a variety of colors.



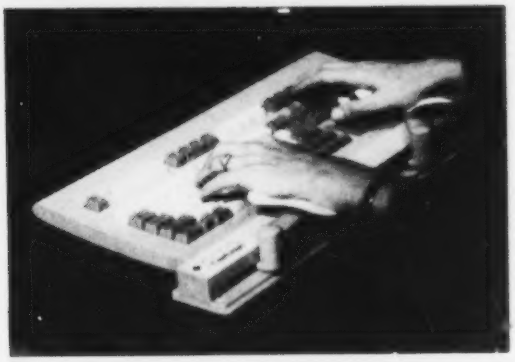
Product Name: Combination Braille/Large Print Keytop Labels

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $21.95

Combination Braille/Large Print Keytop Labels are adhesive labels with braille symbols and large print characters on them. The labels are designed to be affixed to top of computer keyboard keys for easier recognition of the keys. They are intended for IBM PC and other 101-style keyboards.



Product Name: Comfortype

Vendor: Van Duerr Discovery Industries

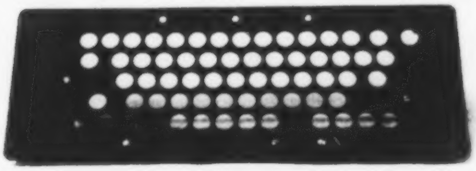
Computer: All (Hardware Independent)

Size: 9.75" x 21.5"

Weight: 4 lbs.

Cost: $149.00

Comfortype is a multi-position hand, wrist, and arm support that provides a full range of keyboarding movement including use of a mouse. The device features a keyboard lift bar for height adjustment to raise or lower the keyboard, two pivoting support arms that slide along the edge of desk with the arms, and individually-contoured palm rests in two sizes.



Product Name: Custom Keyguard

Vendor: Prentke Romich Company

Computer: Apple II Family,
Apple Macintosh Family, Atari Family,
Commodore 64, IBM PC Family,
Texas Instruments TI 99/4A

Weight: 12 oz.

Cost: $220.00

These keyguards are made of dark brown plastic Kydex and have 0.6"-diameter holes for each key location. The keyguard prevents the user from inadvertently pressing more than one key at a time. These keyguards feature keylocks to hold down keys such as SHIFT that must be depressed at the same time as other keys. The IBM PC model utilizes software rather than keylocks to allow single finger input. Hook-and-loop type fasteners are provided for attaching and detaching from the keyboard. For custom keyguards for computer brands not listed, contact Prentke Romich Company. The keyboard will need to be shipped to ensure exact fit for some custom keyguards.

No Photograph Available

Product Name: DataArm

Vendor: Maxi Aids, Inc.

Computer: All (Hardware Independent)

Cost: $189.95

DataArm is an arm rest designed to reduce repetitive motion injuries by taking the weight off of the muscles in the neck and shoulders. DataArm clamps to the desk and the user rests forearms in curved and padded arm rests. The arm rests move with the user's hands.

No Photograph Available

Product Name: Dvorak Computer Keyboard

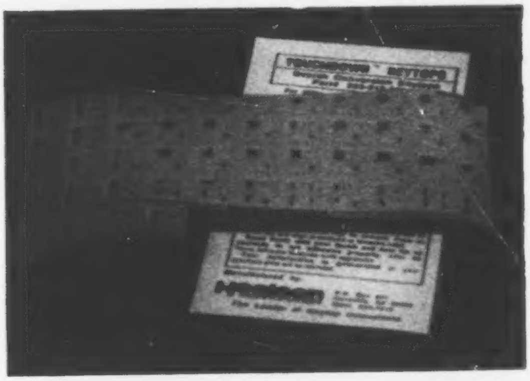
Vendor: Typewriting Institute for the Handicapped

Computer: IBM PC Family, IBM PS/2 Family

Cost: $975.00

Dvorak Computer Keyboards are alternate computer keyboards that function exactly like the standard keyboard but have the keys laid out in the one-hand Dvorak configuration, a system that reduces strain and increases efficiency for a person typing with only one hand. The one-hand Dvorak layout distributes the typing load more evenly for each finger on the one-hand typist's hand than does the standard layout. Right handed and left handed models are available.

Dvorak Keyboards are $900.00 for the IBM PC, XT versions; $975.00 for the IBM AT and PS/2 versions.



Product Name: Dvorak Conversion Keytop Labels

Vendor: Hooleon Corporation

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $26.95

Dvorak Conversion Keytop Labels are labels designed to be placed over a standard set of keyboard keys to reflect the Dvorak ANSI X4.22 keyboard layout. The labels have the Dvorak key legend imprinted in black in the upper left hand corner and the corresponding Qwerty key legend in smaller red lettering in the lower right hand corner. Included are options that account for the placement of brackets and symbols that may vary according to the conversion software used.

Two versions are available: one for IBM keyboards and one for Apple II and Macintosh keyboards.

Product Name: Dvorak Keyboard Layouts

Vendor: Microsoft Corporation

Computer: IBM PC Family

Cost: Contact manufacturer

Dvorak Keyboard Layouts are designed to make the keyboard more accessible to people who have difficulty using the standard "QWERTY" layout. Three Dvorak layouts are available: two-handed, left hand alone, and right hand alone. The Dvorak Keyboard Layouts can be downloaded from CompuServe, GEnie, Microsoft On-line, Microsoft download service (206-936-MSDL), and various user-group bulletin boards under GA0650.ZIP or GA0650.EXE. The program can also be ordered on a disk directly from the manufacturer.

The layouts are available for MS-DOS 5.0 and 6.0, Microsoft Windows 3.1, Windows for Workgroups 3.1, and Microsoft Windows NT 3.1.

Product Name: E Z Keys

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $1,395.00

E Z Keys is a RAM-resident program that provides four main categories of assistance to users of standard keyboards. The categories are: complete keyboard control, dual word prediction, abbreviation expansion, and speech output. Keyboard control includes adjustable accept time and repeat rate, as well as the ability to press key combinations in sequence rather than simultaneously. The dual word prediction and abbreviation expansion features reduce the number of keystrokes needed to generate text, and word endings may be added automatically. A 5,000 word vocabulary is included. Voice output can be generated at any time using most serial port text-to-speech voice synthesizers (extra) or SmoothTalker (extra). Since E Z Keys runs transparently, all features are available at all times while standard software is being run. The program is menu-driven and includes on-line context-sensitive help features and a full-screen exception table. Included with E Z Keys is the Bank Street Writer word processor.

The E Z Keys software comes with voice output. Contact manufacturer for information on environmental control capability.

Product Name: Easy Access

Vendor: Apple Computer, Inc.

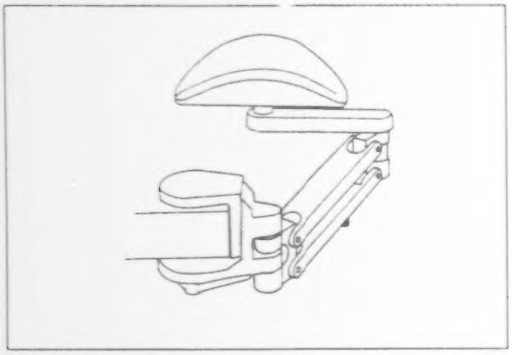
Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: Sold bundled only

Easy Access is a set of utilities built into the Apple Macintosh operating system that allow the user to modify the operation of the keyboard and mouse. The Easy Access features are provided with the operating system at no additional cost. StickyKeys is a feature that allows single-finger operation of the keyboard. With StickyKeys turned on, the "modifier" keys (such as SHIFT) can be pressed before the key they modify, rather than at the same time. Pressing the modifier key once modifies the next keystroke only; pressing it twice locks it on until it is turned off by being pressed again. Multiple modifier key sequences (like SHIFT-OPTION) can be executed using StickyKeys. MouseKeys is a feature that allows the keys on the numeric keypad to be used in place of the mouse. SlowKeys is a utility that allows the user to adjust response rate of the keyboard.

Easy Access is included in operating systems 4.1 and above.



Product Name: Ergorest Articulated Forearm Rests

Vendor: Willow Pond Tools, Inc.

Computer: All (Hardware Independent)

Cost: $145.00 - $378.00

ErgoRest Articulated Forearm Rests are movable, adjustable arm supports that clamp on to the computer table or work station. ErgoRest is designed to reduce the effects of repetitive motion, for use in injury recovery, and as an accomodative device for people with limited use of the arms and hands. ErgoRest adjusts vertically 3" and can fit on table tops from 0.63" to 2.5".

The standard ErgoRest sells for $145.00 each and $290.00 for a pair. An Extension ErgoRest is also available for standing work and assembly at $189.00 each and $378.00 for a pair.

Product Name: Expanded Keyboard Emulator

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $695.00 - $1,395.00

Expanded Keyboard Emulator is a software program for configuring alternative keyboards and providing typing acceleration methods. The program may be used to change key size, set acceptance time and repeat rate, and control keyboard arrangement. The acceleration methods are word prediction (up to six words beginning with the letter(s) typed appear on the screen; the user may then press the number next to the desired word to have the entire word typed), automatic word endings (one of ten common word endings, such as "ing" and "s", may be selected; spelling will then automatically be adjusted so that "swim" and "ing" become "swimming"), and abbreviation expansion (commonly used phrases may be coded as abbreviations, so that typing "tyfyl" will send "Thank you for your letter" to the screen; any key may be programmed to be equivalent to a word, phrase, or command). An additional feature permits automatic correct spacing before and after punctuation. The Bank Street Writer word processor is included.

The Expanded Keyboard Emulator is $695.00. Expanded Keyboard Emulator/Voice (speech synthesis hardware not included) is $1,395.00.

374

Product Name: Filch

Vendor: Kinetic Designs, Inc.

Computer: Atari ST Family, Commodore Amiga, Datavue Spark, Grid, IBM PC Family, IBM PS/2 Family, NEC (some or all models), Toshiba Laptops

Manual Form: Electronic Manual, Printed Manual

Cost: $89.00 - $130.00

Filch is a program that alters some of the ways that keys function on an IBM-PC. First, Filch alters the auto-repeat function of all keys on the keyboard. In order to accommodate circumstances in which the user desires the auto-repeat to operate (such as cursor movement), the repeat rate can also be toggled from a user-specified slow speed to the standard speed, with a single keystroke. The delay may be set at up to 13.2 seconds. Second, Filch makes the CONTROL, ALT, and right SHIFT keys into toggles, permitting one-finger operation. These keys may be latching, may latch until the release of the next non-shift key pressed, neither, or both. Filch also allows audio and visual feedback to indicate operation. Macro capability (which permits complex commands to be executed with minimal keystrokes) is also included.

Filch will operate with any program that does not also tamper with the BIOS (keyboard interpretation program) of the PC as long as the keyboard interrupts are shared. It will not work with Microsoft Windows. Version 2.2 is $89.00 and Version 3.0 is $130.00. "Evaluate," a program for evaluating a person's keyboarding abilities, is included free with the purchase of Filch (see separate entry for Evaluate).

Product Name: FlexShield Keyboard Protectors

Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $18.95

FlexShield Keyboard Protectors are clear, flexible plastic covers that fit over a keyboard and protect the board from dirt, dust or liquids while allowing unrestricted use of the keyboard. Alternative keyboard labels can be stuck on the protector's surface, allowing the user to change labels on any keys simply by changing the protector.

FlexShield Keyboard Protectors are available for a wide variety of computers. Custom FlexShields can be made to the user's specifications.

Product Name: Half-QWERTY One-handed Keyboard Software

Vendor: Matias Corporation

Computer: Apple Macintosh Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $395.00

The Half-QWERTY One-handed Keyboard Software is a program designed to remap the computer keyboard so that the user can touch type using one hand. The standard keyboard arrangement is divided in half. On either side of the keyboard, keys may be used to type the keys which normally appear there or the keys usually on the other side of the keyboard. The keyboard halves are set up in mirror image so that QWERT is one half and YUIOP is the other. The space bar is used to alternate and flip the two in mirror image. The program also has a sticky key feature which allows for modified use of function keys. The program does not interfere with standard two-handed typing.

This program is compatible with Macintosh and IBM computers. A free demo disk is available upon request from the manufacturer.

Product Name: HandiKEY and HandiKEY Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family,
ITT, NEC (some or all models),
TRS-80 Model 100, TRS-80 Model 200,
Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $395.00 - $495.00

HandiKEY is a software program that permits selection of desired letters or phrases (from one to 2,000 characters in length) from a user-definable matrix of cells, using a single key interface (single key, mouse, joystick, digitizer tablet, trackball, or switch). Standard matrices, including ones for the PC keyboard, DOS commands, and the numeric keypad, are included; these may be used as they are or modified, or new matrices may be created. The user activates the single key interface when the scanning cursor reaches the desired row in the matrix. The interface is then released when the desired cell is highlighted. Other selction modes include auto scan, direct scan, and auditory scan.

HandiKEY Deluxe includes speech output capabilities (compatible with DECtalk, Votrax, Echo, or Computalker speech synthesizers), an HW-005 connector, and an additional port connector of choice. HandiKEY Deluxe works with the Headmaster (see entry) and can be configured to provide auditory scanning. A Microsoft Windows version of HandiKEY is also available with limited speech capability in the form of user defined speech matrices.

Product Name: HandiSHIFT

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family,
ITT, NEC (some or all models),
TRS-80 Model 100, TRS-80 Model 200,
Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $49.00

HandiSHIFT is a software program that permits one-finger typists or headstick and mouthstick users to access keystrokes that require depression of more than one key at a time. HandiSHIFT provides three modes: one that affects only the character typed immediately after the Shift key is depressed, and two that work as a shift lock (one for the right hand Shift key and one for the left hand Shift key). All modes provide an optional visual shift state indicator, permitting the user to monitor the state of the shift keys. A single depression of the shift key will cause only the immediately following character to be shifted, two depressions of the key will initiate shift lock, and three will deactivate HandiSHIFT. The program also has a "key-click" feedback option so that the user can tell when keys have been activated. An option is included to disable the key repeat function for those who are slow to move off a key.

Product Name: HandiWORD and HandiWORD International

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family,
ITT, NEC (some or all models),
TRS-80 Model 100, TRS-80 Model 200,
Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $295.00 - $395.00

HandiWORD is a word prediction and abbreviation expansion computer program that works transparently with most application programs. An on-line dictionary is provided with HandiWORD. As a user types individual letters, words from the dictionary that begin with those letters appear; the user may then directly choose the desired word, saving on the number of keystrokes required to type the word. HandiWORD records the frequency with which individual words are chosen and "learns" to predict words according to this frequency. Words may be added to or erased from the dictionary by the user, and word prediction libraries may be created for specific applications. The word prediction line may be set to appear on any line on the computer screen or in a box next to the cursor.

HandiWORD is $295.00. It is available in DOS or Microsoft Windows version. HandiWORD International ($395.00) includes translation from English to French and French to English, and a natural language dictionary for French. Spanish, German, and Italian are also included. All versions include HandiSHIFT features (see entry).

Product Name: Help U Type

Vendor: World Communications

Computer: Block Transfer Terminals, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $395.00 - $595.00

Help U Type is a computer program that simplifies use of standard programs by one-finger, headstick, mouthstick, and keyguard typists. Features include a word prediction menu with user-definable dictionaries, "sticky key" capability to enable the SHIFT, ALT, and CTRL keys to be pressed sequentially before the keys they affect, repeat key rate control, and user-defined macros to program often-used words and phrases for retrieval. The word prediction and macro features can be used in combination.

Help U Type ($395.00) runs transparently with most IBM software. A free demo disk is available from the manufacturer. Two optional versions are also available: one is for IBM PC computers that emulate IBM 3270-type terminals ($495.00) and the other version works with Microsoft Windows ($395.00); these versions contain all features except macro capabilities. A free demo disk is available.

No Photograph Available

Product Name: High Dots

Vendor: Exceptional Teaching Aids

Computer: All (Hardware Independent)

Cost: $8.25

High Dots are spongy, adhesive-backed dots that can be attached to computer keyboard keys, providing tactual reference points. Each packet of dots includes 112 small dots, 48 medium dots, and 32 large dots; the largest dots are slightly smaller than a dime.

Product Name: Home-Row Key Indicators

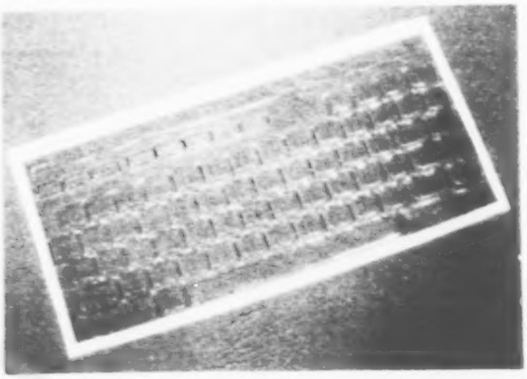
Vendor: Hooleon Corporation

Computer: All (Hardware Independent)

Cost: $4.95

Home-Row Key Indicators are small adhesive-backed labels that can be attached to home row or any appropriate keys. A raised bump in the center of the indicators serves as a tactile guide for placing the fingers.

Home-row Key Indicators come in packages of twelve for $4.95. A package of 50 is available for $18.95; a package of 100 is available for $32.95.



Product Name: HX-20 Protective Cover

Vendor: ACS Technologies, Inc.

Computer: Epson HX-20

Cost: $49.00

The HX-20 Protective Cover is a clear plastic keyboard cover designed for the RealVoice. The Protective Cover prevents moisture from entering the computer through the keyboard, and does not interfere with the normal operation of the keyboard. The cover fits the Epson HX-20 portable computer and most communication aids based on that computer.

Product Name: JDN Shorthand (5073)

Vendor: TASH, Inc.

Computer: IBM PC Family

Cost: $250.00

JDN Shorthand is an abbreviation software package which allows the user to type entire words with a single keystroke. The program also automatically inserts spaces and capital letters where required.

JDN requires a hard drive, any version of DOS, and 1 MB RAM.

Product Name: KeyAbility

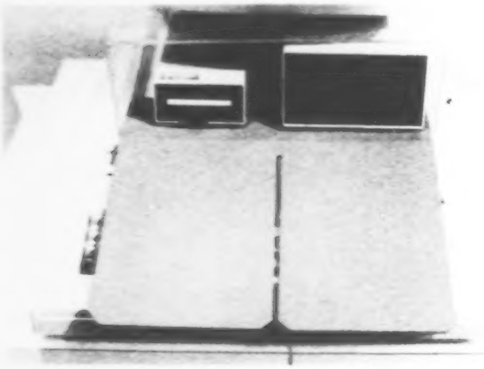
Vendor: Meeting the Challenge

Computer: IBM PC Family

Cost: $198.00

KeyAbility is a software application that allows a standard IBM computer keyboard to be remapped as either a right- or left-handed Dvorak keyboard. The application has a one-finger mode which enables the user to execute certain functions by pressing keys one at a time rather than simultaneously. KeyAbility also features a pop-up menu for program options and "hot keys" which provide direct access to all program options. At the DOS prompt, the program provides an optional visual indication when either Dvorak layout is selected.

KeyAbility is a memory resident program and requires DOS 2.1 or higher.



Product Name: Keyboard Covers

Vendor: Toys for Special Children, Inc.

Computer: Apple IIe

Cost: $36.00

Keyboard Covers are a set of hinged plastic plates that go over a standard keyboard. They are designed for use with computer programs which require only one or a few keys to be pressed. Special bumpers are placed on the bottom of each cover over the desired keys. When the cover is struck, the bumpers strike the desired keys. Keyboard Covers are attached to the keyboard with hook-and-loop material, and can be used in one, two, or four striking area configurations.

Product Name: Keyboard Overlays for Apple IIe and IIgs

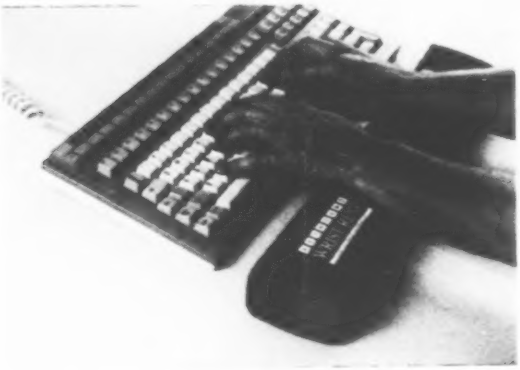
Vendor: Marblesoft

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $8.00 - $50.00

Keyboard Overlays for the Apple IIe and IIGS are molded flexible plastic strips that cover rows of keys on the computer keyboard, while still allowing the keys to be pressed. The overlays provide a way of temporarily labelling keys with colors, shapes, etc. The overlays can be changed to correspond to different software programs that use different keys.

These Keyboard Overlays were designed for use with Marblesoft's educational software, but are available without labels on them as well. Clear (unlabeled) overlays are $8.00 for the Apple IIe or for the IIGS. Overlays labeled with colors, shapes, numbers or letters are $8.00. A package of seven overlays with labels are $50.00.



Product Name: Keyboard Wrist Rest

Vendor: AliMed Inc.

Computer: All (Hardware Independent)

Cost: $19.95 - $29.95

The Keyboard Wrist Rest is a pad which rests against the lower edge of the keyboard. Keyboard users rest their wrists on the padding which is available in one to two inch heights. The support has a no-skid bottom to prevent the pad from sliding during typing.

The Wrist Rest is available with an Extension Support, a thin sheet of plastic that fits under the keyboard. Attached with Velcro strips to a desktop, the Extension Support allows the user to utilize the Wrist Rest even in a place where there is not enough space for both the Wrist Rest and the keyboard.

Product Name: Keycache

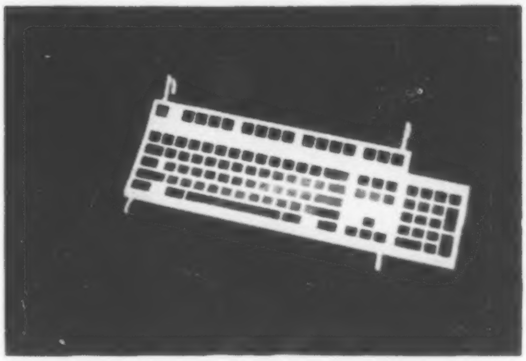
Vendor: OMS Development

Computer: IBM PC Family, IBM PS/2 Family

Cost: $75.00 - $140.00

Keycache is a software program that can accelerate typing rates using word prediction. As the user types, Keycache displays a pop-up window showing words that begin with the letters entered. If the desired word is on the list, the user can complete it by pressing a digit key or by clicking the mouse on the window. Keycache can use multiple vocabulary lists, which can be created with any text editor. The program can also add new words to vocabulary lists automatically. Keycache is memory resident; that is, it runs while another software program is running, so the word prediction can be used in other application software such as a word processor. Keycache also provides abbreviation expansion and automatic capitalization.

An evaluation copy of Keycache is available for $5.00, applicable to the purchase price. Versions are available for DOS ($75.00) and Microsoft Windows ($100.00). Both versions can be purchased together for $140.00.



Product Name: KeyGuard

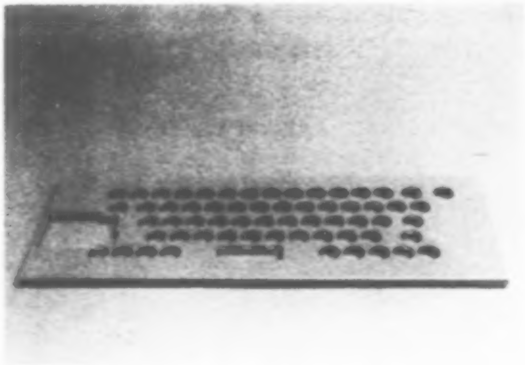
Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $80.00

The Keyguard is a molded plastic overlay for the computer keyboard that has holes for each key. The guard helps to prevent unintentional activation of more than one key at a time. The KeyGuard attaches so that the keyboard can be positioned in any angle.

Information for this product can be obtained from (800) 426-4832 (U.S. voice) or (800) 426-3833 (U.S. TDD). It may be ordered from (800) 426-7630 (U.S. voice) or (800) 426-3383 (U.S. TDD). Canadian information and ordering is handled at (800) 465-7999.



Product Name: Keyguard

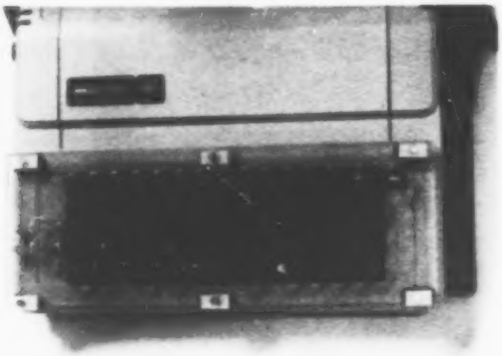
Vendor: TASH, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Cost: $70.00

These keyguards are metal shields with holes over the key positions which help prevent the unintentional activation of more than one key at a time.

Keyguards are available for IBM, Apple, and Macintosh computers. The Apple IIe and II+ models have spaces for the installation of keylocks (extra; see entry for Keylocks: TASH, Inc.). The keyguards mount with Velcro (provided).



Product Name: Keyguards

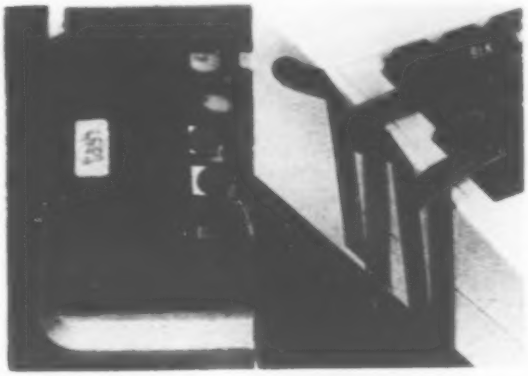
Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family

Cost: $45.00 - $150.00

Keyguards promote accuracy in keypressing by single finger, headstick, or mouthstick typists. These keyguards consist of a panel of clear plastic with holes above each key position. For the Apple II models, latching mechanisms are provided to hold down the SHIFT, OPEN-APPLE, and CONTROL keys.

Keyguards are available for the Apple IIe and IIe numeric ($135.00), and Apple IIGS ($150.00), Macintosh Apple Design "N" ($100.00), Macintosh Apple Design Keyboard ($100.00), Macintosh Keyboard II ($100.00), PowerBook ($95.00), and Trackball ($45.00). The keyguards are easily attached and removed from the keyboard.



Product Name: Keylocks

Vendor: TASH, Inc.

Computer: Apple II Family

Cost: $65.00

These keylocks fasten to the right side of the keyboard and are used to operate the SHIFT and CONTROL keys. They are engaged by pushing on one side of the levers and released by pushing on the other side.

Product Name: KeyMagic

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $95.00

KeyMagic is software that changes the keyboard layout. Multiple layouts can be defined and accessed through a pull-down menu. The user can switch between layouts for different countries and languages quickly and easily. KeyMagic requires 700K RAM and system 6.08 or later.

Product Name: KeyREP

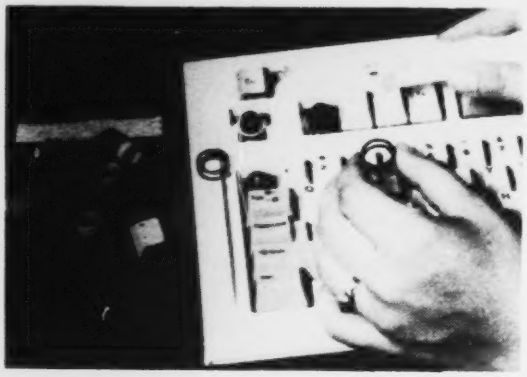
Vendor: Prentke Romich Company

Computer: IBM PC Family

Cost: $290.00

KeyREP is a rate enhancement package for keyboard users of Microsoft Windows. KeyREP provides word prediction with an initial 5,000 word dictionary. A number of smaller dictionaries comes with and the user can create a personal dictionary easily. In addition, words not contained in the dictionary are added automatically as the user types. Abbreviation expansion is also provided. Several sets of up to 80 abbreviations can be set up for different tasks or applications. Both word prediction and abbreviation expansion can be used with any application running under Windows except DOS windows.

System requirements are a 286 or higher microcomputer with a hard disk, 2 MB memory, and DOS 5.0.



Product Name: KeyStopper

Vendor: Hooleon Corporation

Computer: IBM PC Family

Cost: $11.95

KeyStopper is a set of hardware designed to make it more difficult or impossible to hit certain designated keys on the keyboard. The set for IBM keyboards consists of four solid rings that can be used to stop a key, and four springs that can be used to require that more pressure be exerted on the key for it to work.

A set consists of eight springs, key puller, and either ivory or gray keytops. Keystoppers may be purchased individually for $.50 a ring.

Product Name: KeyWiz

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $695.00

KeyWiz is a computer program that provides a number of access and keystroke-saving features useful to one-finger, headstick, and mouthstick typists. Features include one-finger operation for SHIFT, ALT, and CTRL keys, adjustable acceptance time and repeat rate, optional auditory feedback to indicate if a key has been struck, word prediction based on a 5,000 word dictionary, abbreviation expansion, ten preprogrammed word endings with automatic spelling adjustment (if "s" is selected after "baby," the word is automatically spelled "babies"), and automatic spacing after punctuation.

KeyWiz is essentially a version of E Z Keys (see entry) without the voice capability.

No Photograph Available

Product Name: LAP CAT

Vendor: PC Compatibles

Computer: All (Hardware Independent)

Size: 19" x 10" x 4"

Cost: $39.95

The LAP CAT is a cushioned lap rest for the computer keyboard made of medical grade foam. The device is hypoallergenic, flame retardent and machine washable made of open cell foam which channels away heat and moisture. The built-in wrist rest provides correct positioning for the wrist.

Product Name: Left or Right Handed Keyboards

Vendor: Maxi Aids, Inc.

Cost: $229.95

The Left or Right Handed Keyboards feature a Dvorak layout allowing for easy access to 60% of the characters used in each word. The shift, ctrl, and alt keys can be controlled with optional foot pedals ($89.95 each).

Product Name: MacQWERTY

Vendor: Nisus Software, Inc.

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $49.00

MacQwerty is a software program that enables the standard Macintosh keyboard to be reconfigured as a Dvorak or custom keyboard. A desk accessory version of the two Dvorak keyboard layouts is included to allow configuration to be changed within most programs. The program can also be used to create a custom keyboard layout. Dvorak and blank keyboard pictures are included on the program disk; keytop overlays are also included.

The program can work with System 6.0 or 7.0 and later.

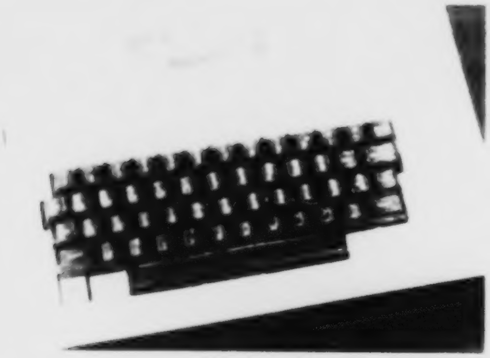
Product Name: Magic Fingers

Vendor: Words+, Inc.

Computer: IBM PC Family

Cost: $39.95

Magic Fingers is a software program that provides abbreviation expansion. The program runs transparently with standard IBM programs. Users can define abbreviations and expansions so that typing a few keystrokes will produce a full string. For example, "syrs" can be defined as "Sincerely yours," so that when the former string is typed it is automatically replaced with the latter. If an expansion occurs where not wanted, it can be erased and fixed. Additional features include an audible click when a key is pressed, extended keyboard buffers, password lockout, and a screen saver; contact manufacturer for further details.



Product Name: Moisture Guard

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $24.95

Moisture Guards are flexible clear plastic keyboard covers that protect the keyboard from moisture without altering normal keyboard use. The guard attaches to the keyboard with double-sided tape.

Moisture Guards are available for the Apple IIe, IIe numeric keypad, and IIGS, the Macintosh Apple Design Keyboard, PowerBook, Macintosh Extended Keyboards, and Macintosh Keyboard II.

No Photograph Available

Product Name: MOUSE PERCH

Vendor: PC Compatibles

Computer: All (Hardware Independent)

Size: 9" x 10"

Cost: $8.95

The MOUSE PERCH is a wrist support for mouse users. The device feautres a fast-tracing lexan surface with built-in wrist rest on a sloped, non-skid foam base. Mouse pad area is 7.5" x 8.5".

Product Name: NOHOLD

Vendor: Computers to Help People, Inc.

Computer: IBM PC Family

Cost: $12.00

NOHOLD is a keyboard modification software program. It operates under MS-DOS and eliminates the need for the user to depress more than one key at a time. For example, the SHIFT, ALT, and CTRL affect the next key pressed rather than one held down simultaneously. NOHOLD is designed to be a very low overhead utility.

The program can be turned on or off for different users of the computer.

Product Name: Notebook Computer Wrist Rest

Vendor: AliMed Inc.

Size: 1.5" x 12" x 15"

Cost: $29.97

The Notebook Computer Wrist Rest is a wrist support designed for small notebook size personal computers. The support is foam covered in nylon and comes with a plastic base. The product stands one and one-half inches high and angles the user's hands at 15 degrees.

No Photograph Available

Product Name: OmniKey Keyboards

Vendor: Northgate Computer Systems, Inc.

Computer: IBM PC Family

Cost: $89.00 - $129.00

The OmniKey keyboards have standard IBM keyboard capabilities plus several features which allow the user to define the way in which keystrokes are recognized. The keyboards have "sticky key", comma/colon/period lock, variable repeat rate, delay rate, and validation time features. The keyboards are available in standard, right-handed, and left-handed Dvorak layouts; key caps can be used to change the configuration of the keyboard.

The keyboards are available in several different models which have a varying number of function keys. Contact the manufacturer for further information about specific models.

Product Name: On/Off Adaptor Switch

Vendor: ACS Technologies, Inc.

Computer: Epson HX-20

Cost: $15.00

The On/Off Adaptor Switch is designed to allow latching on/off operation of keys which otherwise have to be held down while another key is pressed. The switch is available for the SHIFT, CONTROL, and GRAPHICS keys on the Epson HX-20 portable computer, as well as communication aids based on that computer. A power switch extension is also available. Contact manufacturer for details.

Product Name: One-Hand Keyboard Package

Vendor: Trask Office Products

Computer: IBM PC Family

Cost: Contact manufacturer

The One-Hand Keyboard Package consists of an IBM compatible keyboard, foot controlled shift switch, and keyboard tutorial software. The package allows the one-handed computer user to type at speeds of 50 to 60 words per minute. Featuring Dvorak key layouts, the keys are arranged to put the most commonly used letters in the center of the keyboard where the user can reach them without moving the hand from the guide keys. Layouts are included for the right, left, or both hands.

Product Name: PAL

Vendor: Kepler Electronic Publishing, Inc.

Computer: IBM PC Family

Cost: $295.00

PAL (Predictive Adaptive Lexicon) is a predictive typing acceleration program. By typing a single letter, a likely word is predicted and can be inserted automatically into the document, along with correct punctuation. The program learns the writer's style and vocabulary as work progresses, predicting recent and frequently-used words. Its lexicon can be increased to include specialized vocabularies such as in the sciences and humanities.

PAL requires a basic 286 (AT) or better PC running DOS 4.0 or later and is compatible with most word processing programs.

Product Name: PECK Computer Software

Vendor: Productivity Software International

Computer: IBM PC Family

Cost: $19.95

PECK is a computer program that allows IBM PC computer keyboards to be used by one-finger, mouthstick, or head pointer users. The program allows the SHIFT, ALT, and CTRL keys to be pressed in sequence with the keys they affect, eliminating any need to hold down more than one key at a given time. PECK remains resident in the computer once invoked, and works with most programs written for the IBM PC including Microsoft Windows applications.

PECK can be obtained by sending $9.95 (includes postage) or a blank disk and sufficient return mail postage ($2.00 recommended). The program is also included as part of Productivity Software International's PRD+ (Productivity Plus) product line (see entry).

Product Name: PowerPad Keyguard

Vendor: Dunamis, Inc.

Cost: $99.95

PowerPad Keyguard is a plexiglass keyguard for the PowerPad (see entry). The keyguard has 128 keyholes and attaches with Velcro directly above the surface of the PowerPad. The user activates the PowerPad by pressing through any of the keyholes, reducing the number of unwanted keystrokes.

Product Name: PRD+ (Productivity Plus) Basic Edition

Vendor: Productivity Software International

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $479.95

PRD+ (Productivity Plus) Basic Edition is a menu-driven abbreviation/expansion program. The user types a short set of characters (the abbreviation), and when the space bar, enter or punctuation key is pressed, a longer set of characters (the expansion) is triggered. PRD+ functions "transparently" with almost all other DOS or Microsoft Windows applications. Abbreviations can be up to eight characters long; expansions can be up to 4,000 characters. PRD+ features Auto-Abbreviation, Case-Sensitive Capitalization, and Automatic Suffix-Selection functions.

Product Name: Prefix

Vendor: Simple Works

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: Contact manufacturer

Prefix is a DOS program that allows keys such as CTRL, ALT, and SHIFT to be pressed independently of other keys; if another key is pressed after one of these keys, the effect will be the same as if both keys had been held down simultaneously.

Product Name: ProKey

Vendor: CE Software, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $79.00

ProKey is a keyboard enhancement program that allows the user to type long character strings or groups of commands ("macros") by entering a two-keystroke combination, such as ALT-A. ProKey allows the user to include fixed or variable-length pauses in macros. Up to 300 macros may be defined, storing a total of 30,000 characters. Macros are called up by a multiple character name, and may be created and edited while another program is running. Program includes a one-key feature for single-finger operation of SHIFT, ALT, and CONTROL keys. ProKey also contains features such as menus, display messages, cut and paste, abbreviations, history, event scheduling, multiple key playback, and alarm.

Two versions of ProKey are available. One version is available for use with Microsoft Windows, another version is for standard DOS operations.

Product Name: QuicKeys

Vendor: CE Software, Inc.

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $119.00

QuicKeys for the Apple Macintosh allows the user to customize keys so that complicated functions can be performed with a single keystroke. The number of keys that can be customized is limited only by the amount of disk space. After the program has been installed, it can be accessed from the Control Panel. QuicKeys can emulate all mouse functions. Other features include "smart" sequences which permit complicated procedures to be recorded and recalled, and Real Time Recording which can be used to "teach" the program to perform routine tasks on the Mac.

A Mac Plus or later model, with 1 Mb of RAM running System 6.04 is the minimum required configuration to run QuicKeys. A hard drive is required.

Product Name: Reinforced Keyguard

Vendor: ACS Technologies, Inc.

Computer: Epson HX-20

Cost: $125.00

The Reinforced Keyguard is designed for the keyboard of the Epson HX-20 computer. It is designed to prevent the single finger, mouthstick, or headstick typist from making accidental key presses. The keyboard configuration will work with Adaptive Communication Systems' various communication aids based on the Epson HX-20 as well.

Product Name: Roll & Slide Keyboard Wrist Support

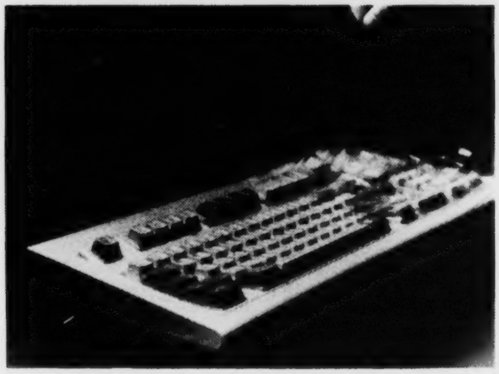
Vendor: Ability Center of Greater Toledo

Computer: All (Hardware Independent)

Weight: 2 lbs.

Cost: $120.00

The Roll & Slide Keyboard Wrist Support is a free standing, cushioned aid for keyboard users. The support rests on the same surface as the keyboard and is placed between the user and the keyboard. Two aluminum shafts are attached to non-slip end blocks. Each shaft has two cylindrical foam pads upon which the user's forearms are rested. The pads roll backward and forward as well as side to side as the user types on the keyboard. The support adjusts to two different positions.



Product Name: SafeSkin Keyboard Protector

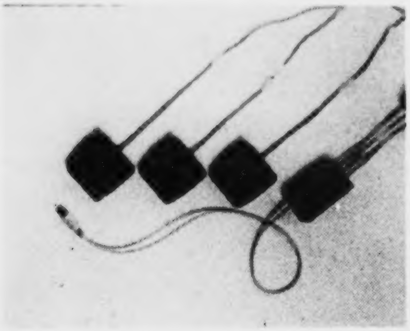
Vendor: Merritt Computer Products, Inc.

Computer: All (Hardware Independent)

Cost: $29.95

SafeSkin Keyboard Protectors prevent damage to the keyboard resulting from liquid spills, foreign matter and other hazards. SafeSkin is precision molded to fit the exact contours of the keyboard and is virtually transparent, making keytops and any side markings clearly visible. It remains in place during keyboard use.

SafeSkin is currently available for over 1200 computer models. Custom covers are also available. Contact the manufacturer for a full listing.



Product Name: Step On It! Computer Control Pedals

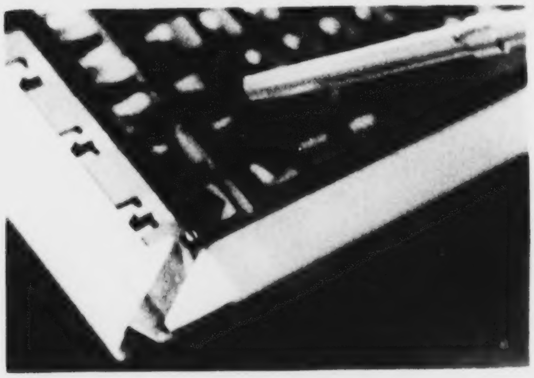
Vendor: Bilbo Innovations, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Weight: 2 lbs.

Cost: $99.00

Step on It! Computer Control Pedals allow the user to assign any selected keys, key sequences, or mouse button clicks to foot operated switches. Single keys such as "Control", "Shift", or "Alt" or macros up to 13 characters can be assigned to each of the three pedals included. Menu driven software allows the user to assign keys without any programming skills. Step On It! is compatible with any PC and any computer game on the market. DOS or Microsoft Windows must be run to reassign the pedals.



Product Name: Stick-On Keylocks

Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: $23.00

Stick-On Keylocks are one hand keyboard modifications designed to assist one hand and mouthstick typists to perform simultaneous key operations (Ctrl, Shift, Alt, etc.). The keylocks stick to the side of the keyboard next to the keys that frequently must be pressed at the same time as another key. The locks can be operated by a light touch and come in right and left operation styles.

A standard model, which fits most Apple computers and the ALT key on IBM computers, and a spring-loaded model are available. Keylocks include a double-stick pad that adheres to the flat spot on the keyboard surface.

Product Name: Stickey

Vendor: C-CAD (Center for Computer Assistance to the Disabled)

Computer: IBM PC Family

Cost: Free

Stickey is a keyboard modification program designed to help the one finger or mouth stick typists perform functions which require two keys to be pressed simultaneously. When pressed, the "control," "alt," and "shift" keys remain activated until the next key is pressed. Stickey is memory retentive and IBM compatible.

Product Name: Tempo for Windows

Vendor: Affinity Micro Systems, LTD

Computer: IBM PC Family

Cost: $99.95

Tempo for Windows is a software program that automates actions within and between applications running under Microsoft Windows 2 and 3. Tempo records any series of keystrokes and mouse clicks in "watch-me" mode, then replays them all as a single command, called a macro. The macro may be replayed by entering a key code or by selecting a name from a list of macros which are assigned either to a specific application or to the "universal" category. Features such as repeat, suspend, ignore next key code, record mouse moves, window- or screen-relative mode and a context-sensitive help file are also available. Tempo for Windows also has the ability to launch applications and to branch to other macros or repeat macros, either directly or based on meeting a specified condition.

Product Name: Tempo II Plus

Vendor: Affinity Micro Systems, LTD

Computer: Apple Macintosh Family

Cost: $179.00

Tempo II Plus is a software program that allows the user to create "macros": short sets of characters (abbreviations) that trigger longer strings of characters (letters, numbers, commands, etc.). The user can program over 500 macros for each application program, and the length of the macros is only limited by the amount of memory the user wishes to consume. Any chain of commands or text can be linked together, and macros can also contain pauses of various lengths. Mouse movements can also be "recorded" as part of a macro. Tempo is a "chordic" macro program; that is, the abbreviations require that the user press more than one key at a time (COMMAND or OPTION plus another key). Tempo Plus also features externals (small programs which perform special operations like playing sound files), a viewer (allows viewing of any macros as a step by step list), and a menu which lists macros.

Tempo II Plus is compatible with System 6 or 7.

Product Name: TempoEZ
Vendor: Affinity Micro Systems, LTD
Computer: Apple Macintosh Family
Cost: $79.95

TempoEZ is a software program designed to increase productivity by allowing the user to create macros for launching files and applications, reformating text, selecting tools, importing graphics, and more. TempoEZ records keystrokes and mouseclicks as the user performs them. The recorded actions, including any number of steps, can then be replayed as a single step. In addition to the features found in Tempo II Plus (see entry), TempoEZ has the ability to include simple branch, repeat, and pause steps in macros. Macros can be played by a keycode, from the Tempo Macro Menu, through Tempo's Play By Name direct-entry dialog box, via a Tempo macro icon, or automatically at startup. Macros can be edited with simple mouseclicks.

Product Name: TimeOut UltraMacros
Vendor: Scantron Quality Computers
Computer: Apple IIGS, Apple IIc, Apple IIe
Manual Form: Printed Manual
Cost: $40.00

TimeOut UltraMacros is a program that allows the user to access built-in commands and macros (strings of frequently used phrases or commands that can be accessed using only one or two keystrokes) or to program sequences of keystrokes as macros. The preset macros include programming commands and commands to initiate alarms at specified times. A compiler is incorporated for use in programming. UltraMacros also includes a screen saver that blanks the screen if no keys have been pressed for a period of time, a key-lock feature that allows the SHIFT, CTRL, and ALT keys to be pressed in sequence with other keys instead of simultaneously with them, and a Mouse Control option that allows mouse functions to be controlled from the keyboard.

Product Name: Uni-Key

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family

Cost: $50.00

Uni-Key is a memory-resident program that modifies the keyboard so that keys can be hit in sequence instead of being held down simultaneously. With Uni-Key installed, the typist may press SHIFT, CTRL, or ALT, and then press the desired letter, number, or function key. The program also includes a "repeat slow" feature. A Microsoft Windows keyboard utility set is included.

Two versions of the program--one for IBM PC and XT computers, the other for IBM PC AT computers--are included on the disk. The $50.00 purchase price may be considered as a year's membership dues to the National Institute of Rehabilitation Engineering.

Product Name: VT520 Terminals - Accessibility Features

Vendor: Digital Equipment Corporation

Computer: IBM PC Family

Cost: Sold bundled only

The VT520 Terminals have several features that provide accessibility to individuals with disabilities. Sticky keys allows the user to press each key separately when performing a mutliple key operation. Show sounds blinks the screen or displays a visual image in the display when the computer makes a sound. Bounce keys prevents double characters from being typed if the user bounces on the key when pressing or releasing it.

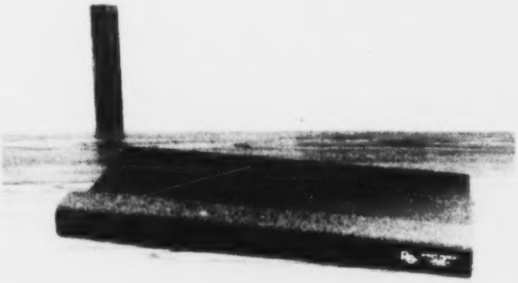
Product Name: WordWriter

Vendor: Prentke Romich Company

Computer: Apple Macintosh Family

Cost: $170.00 - $240.00

WordWriter is a word prediction program that is compatible with all standard Macintosh applications, including HyperCard. The program appears in a movable "windoid" that can be set to two or three sizes, depending on the size of the monitor. The program offers a dictionary of over 4,000 words to increase typing speed. WordWriter is available for System 6 & 7.



Product Name: WRIST PERCH

Vendor: PC Compatibles

Computer: All (Hardware Independent)

Size: 19" x 10" x 1.5"

Cost: $19.95

The WRIST PERCH is a non-skid base for the keyboard with built-in wrist rest that adjusts the slope of the keyboard for correct positioning and more relaxed typing. WRIST PERCH is designed to prevent injury by cushioning wrist and palm while absorbing shock.

No Photograph Available

Product Name: ZoomCaps

Vendor: Meeting the Challenge

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $14.95

ZoomCaps are large print keytop labels which affix to the keys of either IBM or Apple computer keyboards. The labels are available in white or black letters. There are ninety labels per set.

Chapter 12

Alternate Inputs

This chapter includes alternate input systems which provide transparent access to a computer. "Alternate input" refers to a special or adapted device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can perform. For example a transparent alternate keyboard would have all the keys included on the standard keyboard, and could operate any keyboard-based software written for that computer.

The chapter title is not meant to indicate that these alternate inputs will operate any and all software, only that they are designed to be equivalent to a standard input device. An alternate keyboard, for instance, would not necessarily be able to control software that requires both a keyboard and a mouse. There may also be compatibility problems with particular commercial software. Contact the manufacturer about questions of compatibility.

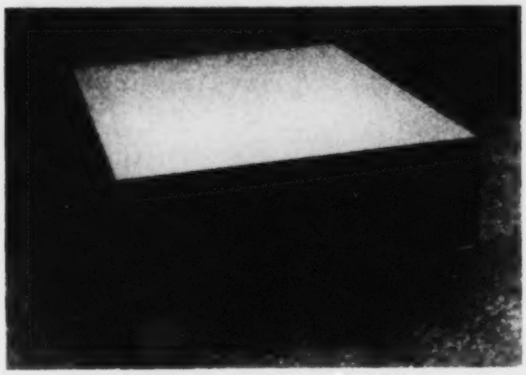
Related input/output features in Index 2 include most of the categories that begin with the phrase "Input Type."

The following product entries appear in this chapter:

Access-I, *373*
Adap2U, *373*
ADAPTA-LAN, *374*
Adaptive Firmware Card Model G32e, *374*
AlphaSmart Pro, *375*
AmTRAC, *375*
Apple Adjustable Keyboard, *376*
Aurora 2.0 for DOS, *376*
BallPoint Mouse, *377*
BAT Personal Keyboard, *377*
Big Keys, *378*
BioMuse, *378*
Bloorview Miniature Keyboard, *379*
Breakthru Box, *379*
Cirque GlidePoint Trackpads, *380*
Comfort Keyboard System, *380*
Concept Keyboard, *381*
Cordless WinMouse, *381*
DARCI TOO, *382*
Doors II, *382*
DragonDictate Starter, Classic, and Power Editions, *383*
EEK, *383*
ErgoLogic Model 7.1 Keyboard, *384*
Ergonomic Keyboard Systems, *384*
Expanded Keyboard for Apple Macintosh and Apple IIGS, *385*
Expanded Keyboard for IBM Computers, *385*
Expanded Keyboards for the Talking BlissApple, *386*
Expanded Numeric Keypads, *386*
Expert Mouse, *387*
Eye Slaved Pointing System, *387*
ezMorse for Windows, *388*
ezScan, *388*
FastTRAP, *389*
Felix, *389*
First-Finger WinTrack, *390*
FlexPro, *390*
GEWA FTB 108 Enlarged Keyboard, *391*
GEWA METB 121 Reduced Size Keyboard, *391*
HAL (Home Automation Link), *392*
Hand Controls, *392*
HandiCODE and HandiCODE Deluxe, *393*
HeadMaster Plus, *393*
HeadMouse, *394*
Help U Key, *394*
Help U Keyboard, *395*
Hereward Tracker Ball & Joystick Module, *395*
Icontroller, *396*
IN-CUBE Voice Command for SPARC Stations, *396*
IN-CUBE Voice Command for Windows, NT, *397*
Instant Access, *397*
IntelliKeys, *398*
IntroVoice V, *398*
IntroVoice VI, *399*
IRIS Reading Interface 3.0, *399*
Jouse, *400*
Joystick to Mouse Driver, *400*
JustVoice, *401*
K-U-I, *401*
Ke:nx, *402*
Ke:nx On:Board (M43), *402*
Key Largo, *403*
Keyport 176, *403*
Keyport 300, *404*
Keyport 60, *404*
Kinesis Ergonomic Keyboard, *405*
King Keyboard (2440), *405*
Kurzweil VOICE, *406*
Kurzweil VOICE for Windows, *406*
Laser Optic Keyboard, *407*
LIAISON, *407*
LightBoard, *408*
LipStick and WordWriter, *408*
Listen for Windows, *409*
MacKing, *409*
MacMini, *410*
Macrat, *410*
MacroMaster/pro, *411*
MacTRAC, *411*
Magic Wand Keyboard with McKey Mouse Option, *412*
Maltron Keyboard, *412*
MICE, *413*
Micro IntroVoice, *413*
Micro IntroVoice II, *414*
Microsoft Natural Keyboard, *414*
Microsoft Windows Sound System, *415*
MIKE (Mouse Interface & Keyboard Emulation), *415*
Mini Keyboard (2443 or 2450), *416*
Mini-Keyboards, *416*
MiniErgo-MF2, *417*
Minimal Motion Computer Access System, *417*
Morse Code WSKE II, *418*
Morsek Version 1.1, *418*
Mouse Keys, *419*
Mouse-Trak, *419*
MouseMan Cordless, *420*
MouseMover - Mac (5005), *420*
MouseMover - PC Windows (5004), *421*
MousePen, *421*
MouseStick II, *422*
Mouth Operated Joystick for Genesis Video Game, *422*
Muppet Learning Keys, *423*
My First Keyboard, *423*
My-T-Mouse, *424*
MyKey, *424*
Narwhal Expanded Keyboards for Adaptive Firmware Card, *425*
Nintendo & Super Nintendo Joystick Module, *425*
NoMouse, *426*
OfficeTALK for Windows, *426*
One Access, *427*
One-Hand Operated Joystick for Genesis Video Game, *427*
OneStrk, *428*
Optimouse, *428*
OsCaR, *429*
PC-TRAC, *429*
Pen Style Mouse, *430*
PKD 84 and 101, *430*
PortaPoint, *431*
PowerKey Software for IBM, *431*
PowerPad, *432*
PowerPad Starter Kit, *432*
PowerSecretary, *433*
Pre-Dict-ate, *433*
ProPoint, *434*
Proportional Keystroke Scanner, *434*
QUADLynx Trackball, *435*
Reading Edge, *435*
Remote Keyboard for the Apple II+ and IIe, *436*
RemotePoint, *436*
RevolvingDoors, *437*
Scanning WSKE II, *437*
ScottBridge Speech Access System, *438*
ScreenDoors, *438*
Select-Ease Keyboard, *439*
Serial Trackball and PS/2 Trackball, *439*
SofType, *440*
Speak Out VOILA, *440*
Speech Recognition Systems, *441*
Stingray, *441*
Switch Modified PowerPad, *442*
Switch-Adapted Mouse (SAM), *442*
Switch-Back, *443*
SwitchMouse, *443*
SynergyMac and SynergyPC, *444*
TouchWindow, *444*
Trackball Pro, *445*
TrackMan Live!, *445*
TrackMan Voyager, *446*
Trak101 Keyboard, *446*
Turbo Mouse 4.0, *447*
Turbo Trackball, *447*
Vertical, *448*
Voice Mouse/Keyboard (VMK) Controller, *448*
Voice User, *449*
WinKing Keyboard (2448F, 2448Q), *449*
WinMini Keyboard (2447F, 2447Q), *450*
WiViK 2.0 (Windows Visual Keyboard), *450*

The following products from other chapters can also be used as Alternate Inputs:

Access Pack for Microsoft Windows, *331*
AccessDOS, *332*
AlphaTalker, *119*
Aurora for Windows, *333*
Braille 'n Speak, *469*
Butler-in-a-Box, *270*
CINTEX I, *744*
DM80/FM, *511*
Equalizer, *131*
EvalPAC with RealVoice, *131*
Eyegaze Computer System, *132*
Gus! Multimedia Speech System, *133*
Liberator, *137*
Magnum, *477*
RealVoice, *147*
ScanPAC, *150*
SenSei System, *295*
T-TAM Keyboard and Mouse Emulator, *463*
VisionKey, *158*



Product Name: Access-I

Vendor: WorkLink Innovations

Computer: IBM PC Family

Size: 4" x 12" x 14"

Weight: 17 lb.

Cost: Contact manufacturer

Access-I is an IBM-AT compatible computer which runs off wheelchair batteries. The computer accepts a variety of input devices including headpointers, puff and sip switches, scanning keyboards, morse code, and mouthsticks (all extra). Access-I can also be used with up to five full length 16 bit adapter cards such as DragonDictate and DECtalk. The computer unit measures 4" x 12" x 14" and uses 1 amp of battery power.

Access-I includes a flip-up LCD screen, small full-function keyboard, one 3.5" floppy drive, 210 - 740 MB hard drive, 16 - 32 MB RAM, MS-DOS 6.22, Microsoft Windows 3.1, Windows 95, and a weatherproof bag for storage on the back of a wheelchair. The package can be customized with other options; contact the manufacturer for details.

Product Name: Adap2U

Vendor: AdapTek Interface

Computer: IBM PC Family

Size: 1.4" x 6.25" x 9.5"

Weight: 1.5 lbs.

Cost: $1,095.00

Adap2U Keyboard Emulator is an alternative input inferface system that can replace a conventional keyboard and mouse, allowing transparent access to standard IBM compatible computers and all DOS or Microsoft Windows application programs. Adap2U plugs into the keyboard port of the computer and into the serial port for mouse emulation. Adap2U provides control of dynamically interchangeable menus, like custom keyboard layouts, displayed on a separate monitor (sold separately). Dozens of menus may be stored and immediately accessed from the Adap2U's memory. Pointing devices, such as a mouse, trackball, touch screen or pad, or the AdaPoint head-operated pointer (sold separately) and combi nations of pointing devices and single or multiple switches can be used and adapted to the user's special needs. Access methods include direct pointing and selection from menus, scanning, morse, or user defineable time codes, all with adjustable modes. Included is a customized starting setup for the user. Also included is a library of different menus and configurations, and software which allows the modification of them or creation of new ones.

Product Name: ADAPTA-LAN

Vendor: Microsystems Software Inc.

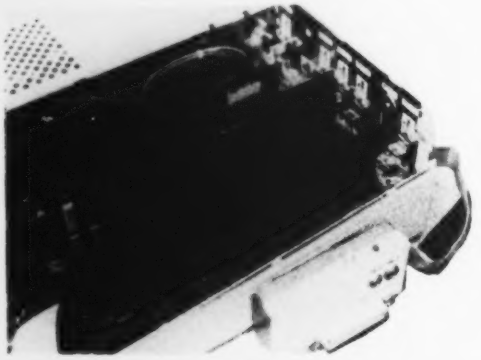
Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $2,995.00 per server

Adapta-Lan is a set of local area network programs for persons with disabilities. The set includes: MAGic and MAGic Deluxe (screen magnification software), HandiKEY and HandiCODE (software for access without keyboarding), HandiSHIFT and HandiWORD (programs for limited keyboarding ability), HandiCHAT (program for nonspeaking users), HandiPHONE (phone and modem control for physically limited users with hardware at additional cost), and SeeBEEP (visual indicator of computer audio beep for hearing impaired users).

Adapta-Lan is compatible with most networks including Novell, 3Com, and Banyan. Once installed, the system can be accessed by using IBM computers. Price is for up to 100 users; cost for up to 250 users is $5,000.00 per server. HandiPHONE hardware sells for $300.00 per unit.



Product Name: Adaptive Firmware Card Model G32e

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Cost: $485.00

The Adaptive Firmware Card Model G32e enables various alternative input devices to be plugged into the Apple IIe Enhanced or Apple IIGS computers, so that standard software can be run by people with various disabilities. Alternate input methods supported by the card are alternate keyboards, scanning, assisted keyboards, Morse code, ASCII input, and multiple switch boxes. Standard and talking standard setups are included for each input method; custom setups may be created for use with specific programs. Features include speech feedback for any input method, options for moving the scan line, 20 column scanning, mouse emulation, macros, and a "mini" programming language that allows custom set-ups to be created for particular software. Talking Word Board, an application that may be used to train and assess skills involved in using a talking communication system, is also included.

No Photograph Available

Product Name: AlphaSmart Pro

Vendor: Intelligent Peripheral Devices, Inc.

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Size: 1.65" x 11.8" x 8.2"

Weight: 2 lbs.

Cost: $279.00

AlphaSmart Pro is a portable note-taking device with a full QWERTY-style keyboard and quick data transfer to Macintosh, Apple IIGS, and IBM compatible computers. The device features eight separate memory files holding a total of 128,000 characters (64 pages of text) and an LCD display of four lines of 40 characters. AlphaSmart is compatible with word processors such as ClarisWorks, Microsoft Works, MacWrite, WordPerfect, and more.

Product Name: AmTRAC

Vendor: Microspeed Inc.

Computer: Commodore Amiga

Size: 3.75" x 6.75" x 1.75"

Weight: 12 oz.

Cost: $99.00

AmTRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

AmTRAC is compatible with Amiga 500, 2000, 2000H, 2500, and 3000 computers.

No Photograph Available

Product Name: Apple Adjustable Keyboard

Vendor: Apple Computer, Inc.

Computer: Apple IIGS, Apple Macintosh Family

Cost: $219.00

Apple Adjustable Keyboard is a keyboard with split sections which can be positioned independently. The keyboard has one section for each hand, and the sections can be separated up to thirty degrees away from each other. The keyboard also has volume, mute, and record buttons. The foldable keyboard resembles the standard smaller-size Apple keyboard. A separate keypad contains all the extended key functions from the standard larger-size Apple keyboard. The keyboard works with all Apple computers that use the Apple Desktop Bus (the Apple IIgs and all Macintoshes except the Plus or older models).

The Adjustable Keyboard is available through Apple Computer dealers. Locate a dealer in your area for more information or to order.

Product Name: Aurora 2.0 for DOS

Vendor: Aurora Systems, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $745.00 - $1,150.00

Aurora 2.0 is a software application designed to provide greater access to computers and communication both for people who can use the standard keyboard and who cannot. Aurora's major features are scanning input for non-keyboard users and Poptalk and speech macros for nonverbal users. For keyboard input, Aurora also offers latching shift keys for one-finger typists and comprehensive keyboard controls including key debouncing, accept, and repeat delays. The PopTalk feature turns Aurora into a computer based communication aid accepting input through the keyboard, scanning, or morse code and providing synthesized speech output. In addition, Aurora and the PopTalk feature includes word completion and prediction that learns the user's writing style, a screen reader, context sensitive online help, text macros, a customizable screen layout and hotkey selections, and others.

Aurora requires DOS 3.1, 384K, and one parallel port. Supports most external speech hardware and is compatible with most popular applications including Microsoft Works, Microsoft Word, and WordPerfect.

Product Name: BallPoint Mouse

Vendor: Microsoft Corporation

Computer: IBM PS/2 Family

Cost: $175.00

The BallPoint Mouse is a trackball and four button unit which clamps onto a laptop computer keyboard. The unit snaps into a clamp which then can be attached to the side of the keyboard. Moving the trackball manually and pressing combinations of the four buttons provides emulation of a standard mouse.

The BallPoint Mouse fits Compaq, Toshiba, NEC, Zenith, and GRiD families and compatible laptop computers.

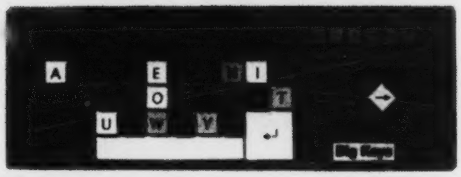
Product Name: BAT Personal Keyboard

Vendor: Infogrip, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $199.00

The BAT Personal Keyboard is a one-handed, ergonomic, programmable keyboard with only seven keys. The BAT can enter all characters and functions of a traditional keyboard. The keyboard is a little bigger than the average adult hand and can be positioned in a variety of places.



Product Name: Big Keys

Vendor: Greystone Digital

Computer: Apple Macintosh Family, IBM-PC XT, IBM PC AT

Size: 7" x 18.75"

Weight: 3 lbs.

Cost: $125.00 - $145.00

Big Keys is a keyboard designed for preschool and special education students. Big Keys features 1" square keys, bright colors, easily read labels, and keys in alphabetical and numerical order. Software designed specifically for teaching early learners the alphabet, words, and numbers is recommended for use with Big Keys.

An optional cable ($24.95) is available for the IBM keyboards to allow access to the regular keyboard at the same time.

No Photograph Available

Product Name: BioMuse

Vendor: BioControl Systems, Inc.

Computer: IBM PC Family

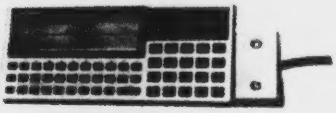
Size: 17" x 14" x 3.5"

Weight: 6 lbs.

Cost: $19,800.00

BioMuse is a bioelectric signal controller which allows the user to control computer functions directly from the electrical activity of the human body. BioMuse receives data from four sources of electrical activity in the human body: muscle activity, eye motion, heart, and brain waves. The signals are then transmitted via non-invasive electrodes attached to the skin. The biosignals are digitized and processed, desired elements extracted, and the elements are mapped to a desired output code to control virtually any digital interface device. A high speed processor enables real-time signal processing, user programmable mapping of all biosignals allows development of many applications, replay feature enables storage of any biosignal for later analysis, and biosignals can be sent via modem.

BioMuse requires IBM compatible 386/486 PC with available serial port running DOS 5.0 or higher or Microsoft Windows. The manufacturer is currently designing a portable version of BioMuse, contact manufacturer for details.



Product Name: Bloorview Miniature Keyboard

Vendor: TASH, Inc.

Computer: Apple IIe, IBM PC Family

Size: 7" x 3" x 1"

Weight: 10 oz.

Cost: $900.00

The Bloorview Miniature Keyboard operates as an alternative keyboard for a personal computer. The keyboard is based on a Sharp 1360 pocket computer and a custom cable. The keyboard connects into the same computer port as a standard keyboard and has all the capabilities of one. Although the smaller keyboard has fewer keys, a "mode method" allows keys to represent two or more other keys. The mini keyboard provides a faint click to indicate when a key has been pressed. This product also has a "mouse mode" which controls the cursor and button functions of a mouse from the keyboard.

THE
BREAKTHRU
BOX

Product Name: Breakthru Box

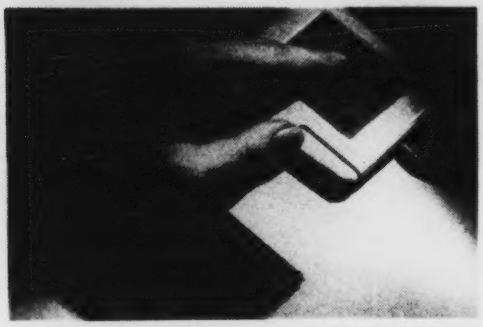
Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family,
Commodore Amiga, IBM PC Family,
IBM PS/2 Family

Cost: $475.00 - $575.00

The Breakthru Box is a device that permits some membrane keyboards to be used as computer input devices. The box contains the electronics used in EKEG's stand-alone keyboards, and plugs into the microcomputer keyboard socket. A membrane keyboard which has at least 84 keys (6 x 14 layout) and a plug configured for the Adaptive Firmware Card is then plugged into the box. Examples of suitable keyboards are the Unicorn Board, MemKey Board, and Membrane Keyboard II (see entries). Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

Four models are available. BTB 901AM is for Apple IIGS and Macintosh computers ($575.00); BTB 901BX is for IBM PC and XT computers ($475.00); BTB 901BA is for IBM AT and PS/2 computers ($475.00); and BTB 901CA is for Commodore Amiga 2000 computers.



Product Name: Cirque GlidePoint Trackpads

Vendor: Cirque

Computer: Apple Macintosh Family,
IBM PC Family, IBM PS/2 Family

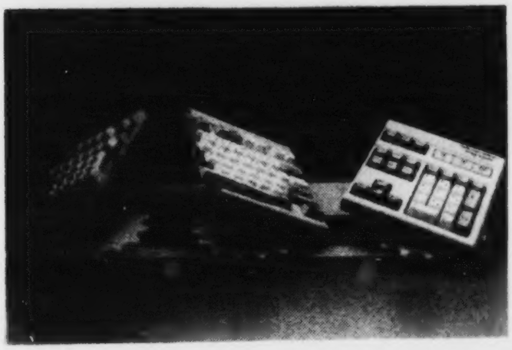
Size: See text

Weight: 2 - 5 oz.

Cost: $89.00 - $139.00

The GlidePoint Trackpad is a pointing device for mouse emulation. The device tracks fingertip movement and moves the cursor on the screen. The user taps once to "click," twice to "double click," and hold to "drag."

Versions are available for portable and desktop computers. The portable versions measure 0.5" x 3.4" x 2.7" and are available for PS/2 connectors and for any standard serial port. The desktop versions measure 0.375" x 4.4" x 4" and are available for both IBM compatible computers and Macintosh computers. Also available is a GlidePoint Keyboard that combines the keyboard and trackpad in one unit and measures 1.7" x 18.8" x 6.8".



Product Name: Comfort Keyboard System

Vendor: Health Care Keyboard Company

Computer: Apple Macintosh Family, IBM PC Family

Size: 6.25" x 22"

Cost: $695.00

Comfort Keyboard System is a keyboard with the standard QWERTY arrangement which has been divided into three equal sections. The sections are mounted onto the keyboard base using a Disc Loc universal mounting system. The user can place the sections onto the base in any order. Each section can be raised, lowered, rotated, and tilted independently to suit the user's needs. Once a position is selected the keyboard sections can be "locked" into place by tightening the discs on which the sections are mounted.

Comfort Keyboard System also features arm supports.

No Photograph Available

Product Name: Concept Keyboard

Vendor: Hach Associates

Computer: IBM PC Family

Size: 11.75" x 9.25" x 1.25"

Weight: 2 lbs.

Cost: $595.00 - $1,145.00

The Concept Keyboard is a touch-sensitive panel that may be configured to function as one or several of the conventional keyboard keys. The keyboards can work in tandem, allowing two to be placed on a single computer and double the amount of functional surface area. Also, two keyboards allows two users to work on the computer at the same time. The Concept Keyboard comes with a software utility for assigning functions to the keyboard.

The Concept Keyboard comes with a user manual, Overlay Manager software, 12-month warranty, connecting cables, and five ready-to-use overlays for $595.00. A package that includes two keyboards and 10 overlays is available for $1,145.00.

No Photograph Available

Product Name: Cordless WinMouse

Vendor: A4 Tech (USA) Corporation

Computer: IBM PC Family

Cost: $23.00

Cordless WinMouse replaces the standard mouse and can operate from up to two meters away from the computer using infrared technology. No cables are attached and no radio signal interference is experienced.

Product Name: DARCI TOO

Vendor: WesTest Engineering Corporation

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Size: 10.5" x 9.5" x 3"

Weight: 2 lbs.

Cost: Contact manufacturer

DARCI TOO is an alternative input device for Apple and IBM computers. DARCI TOO plugs into the computer via the standard keyboard and mouse connectors; the keyboard may then be connected to DARCI TOO and used simultaneously. Five operating modes are available: DARCI Code (joystick movement codes developed for the original DARCI), Scanning, Matrix Keyboards, Communication Aid, and Morse Code. In Scan and Morse Code modes, selection is made via single, double, or triple switch, proportional joystick, or video game controller (all extra). A two-row, 40-column display on the unit informs the user of the current input mode and is used to make selections in scan mode. A user programmed vocabulary capability is included; in Scan, Morse Code, or DARCI modes, the user may save keystrokes by selecting words from this vocabulary, or may add words and phrases. The user may also define custom overlays for matrix keyboards. Setup routines, which permit customization, may be saved to disk and downloaded to the unit.

Audio feedback is optional. An interface card is required to use DARCI TOO with Apple IIe computers.

Product Name: Doors II

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $595.00

Doors II is a collection of on-screen keyboards designed to emulate a standard computer keyboard. The on-screen keyboards can be used to type text by selecting the desired character, number or function with the mouse and clicking the mouse button. The program has a word predictor which will offer the user choices from which to select; predicted words are entered into text like any single character by selecting and clicking the mouse. Other features of the word prediction program include: abbreviation expansion, word editing, multiple topics, custom hot keys, and speech synthesis. The user can rely on the built-in dictionary function or program words into the predicting mode. One of the keyboards allows single-switch users to use scanning techniques to make on-screen selections.

Doors II can be used with a variety of inputs including trackballs, joysticks, head pointers, and the mouse. This program is a background application and is compatible with most programs.

415

Product Name: DragonDictate Starter, Classic, and Power Editions

Vendor: Dragon Systems, Inc.

Computer: IBM PC Family

Cost: $395.00 - $1,695.00

DragonDictate is a family of speech recognition systems for a range of needs. Each version offers a customizable active vocabulary and a 100,000 plus word pronunciation dictionary with acoustic models for access to words outside of the active vocabulary. All editions are available for DOS or Microsoft Windows.

The Starter Edition ($395.00) is an entry level system that offers a 5,000 word active vocabulary, up to 100 global macros that are active across all aplications, and up to 500 macros that are active in a state or application. The Classic Edition ($695.00) is a mid-range system that offers a 30,000 word active vocabulary, up to 5,000 global macros, and up to 2,000 application macros. The Power Edition ($1,695.00) is a high-end system that offers a 60,000 word configurable active vocabulary with the ability to have either 15,000, 30,000, 45,000, or 60,000 words active, up to 5,000 global macros, and up to 2,000 application macros. The prices include the headset microphone.

Product Name: EEK

Vendor: OMS Development

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $120.00

EEK is an on-screen keyboard for Microsoft Windows that allows keystrokes to be sent to Windows applications when keys are clicked. Input can be made with any pointing device such as a mouse, track ball, touch screen, or head pointing system. EEK can be resized and can be customized to run over any other Windows application.

Evaluation copies are available for $5.00, applicable toward purchase price.

No Photograph Available

Product Name: ErgoLogic Model 7.1 Keyboard

Vendor: Ergologic Enterprises, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Size: 20.5" x 8" x 1.6"

Cost: $399.00

The ErgoLogic Model 7.1 Keyboard features a split keyboard that pop-ups and can be adjusted for the user's comfort. The user has complete control over the angle of elevation and rotation throughout the operating range. Other features include built-in handrests that slide under the palms, a standard QWERTY keyboard, adjustment indicator for situations in which several users share a keyboard, and a HyperSpace Bar that splits the space bar into two and allows each half to work as a space bar, backspace key, or enter key.

No Photograph Available

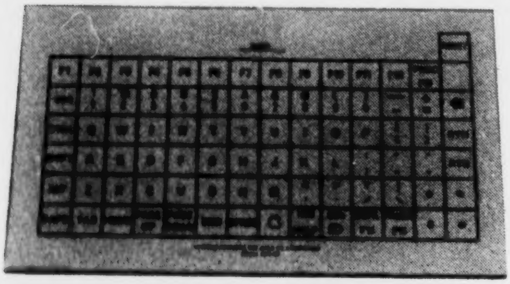
Product Name: Ergonomic Keyboard Systems

Vendor: Various (Generic Product)

Cost: Varies

In recent years a variety of ergonomic keyboards, keyboard wrist supports, mouse wrist supports, and keyboard lowering bracketry have become available. Commonly, these are applied to prevent problems called cumulative trauma disorders or repetitive injury syndromes. A common example is Carpel Tunnel Syndrome.

While many of these products are available from medical and rehabilitation equipment companies, these devices are increasingly available from computer catalog companies, local computer stores, computer sections within department stores, and office supply stores. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and also often in gift specialty catalogs that carry personal convenience types of devices.



Product Name: Expanded Keyboard for Apple Macintosh and Apple IIGS

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family

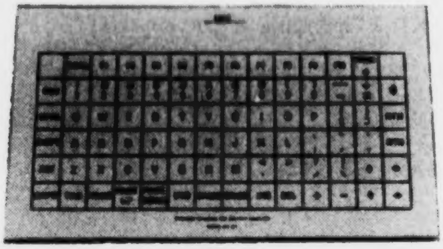
Size: 12" x 24" x 1"

Weight: 4 lbs.

Cost: $850.00

Expanded Keyboard for the Apple Macintosh and the Apple IIGS is a large panel that operates like the standard keyboard, but has membrane keys. The keyboard contains its own microprocessor and has the same connector as the standard keyboard. Provision is made for having the standard keyboard connected and in operation at the same time as the expanded keyboard. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboard is flat, allowing overlays to be added. The surface is seamless and moisture-proof. Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

The expanded keyboard sends the same output to the computer as the standard keyboard to which it is equivalent, allowing the user to perform all the same functions. A keyguard consisting of a thick, plastic-coated wire grid is also available (extra).



Product Name: Expanded Keyboard for IBM Computers

Vendor: EKEG Electronics Company LTD

Computer: IBM PC Family, IBM PS/2 Family

Size: 12" x 24" x 1"

Weight: 4 lbs.

Cost: $750.00

Expanded Keyboards for the IBM Computers are large panels designed to operate exactly like standard IBM keyboards, but having substantially larger (1.5" square) keys. Latching keys are provided for those keys such as SHIFT which would normally have to be held down at the same time as another key. The keyboards are flat, allowing overlays to be added.

Expanded Keyboards for the IBM-PC series send the same output to the computer as the standard keyboard to which they are equivalent, allowing the user to perform all the same functions. The expanded keyboards do not automatically work at the same time as the standard keyboard; the Switch Box, an adapter that permits switching between the standard and expanded keyboards, is available for $95.00. A keyguard consisting of a thick plastic coated wire grid is available for $50.00.

Product Name: Expanded Keyboards for the Talking BlissApple

Vendor: EKEG Electronics Company LTD

Computer: Apple II Family

Size: 19" x 31" and 15" x 21"

Weight: 6 lbs. and 8 lbs.

Cost: $950.00 - $1,450.00

Expanded Keyboards for the Talking BlissApple are keyboards with a great number of squares, all the correct size for standard bliss stamps. The Keyboards have been designed for use with the Trace Center's Talking BlissApple program, but contain a small microprocessing unit and can send serial ASCII to any computer or device that will accept it through an RS-232 serial port. Overlays for the Keyboards are user-definable.

Expanded Keyboards for the Talking BlissApple come in two models. One has 512 7/8" squares, measures 19" x 31", and weighs 8 lbs. ($1,450.00); the other has 220 1" squares, measures 15" x 26", and weighs 6 lbs. ($950.00). Keyguards for both models are available for $75.00.

No Photograph Available

Product Name: Expanded Numeric Keypads

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family, Commodore Amiga, IBM PC Family, IBM PS/2 Family

Cost: $525.00 - $675.00

Expanded Numeric Keypads are membrane keypads designed to facilitate data entry by persons with disabilities. The keypads consist of 1.5" keys including: all numeric keys, plus, minus, multiply, divide, period, return, space, backspace, all cursor arrows, and word processing paging control keys. The keys are covered by a transparent waterproof cover which can be raised to allow overlays to be placed over the keys.

Four models are available: for Apple IIGS and Macintosh ($675.00), for IBM PC and XT ($525.00), for IBM AT and PS/2 ($525.00), and Commodore Amiga ($525.00). Keyguards are available for $50.00 each.

Product Name: Expert Mouse

Vendor: Kensington Microware Limited

Computer: IBM PC Family, IBM PS/2 Family

Size: 4.5" x 5.5" x 2.75" casing; 2.25" trackball

Weight: See text

Cost: $149.95 - $179.95

Expert Mouse consists of a trackball surrounded by a small box. The user moves the trackball manually to emulate mouse functions. Two "click" buttons are provided, so that the product may be optimally used by left- and right-handed users. Each button may be programmed to emulate different mouse functions. The device can also be used to manipulate a control panel for Microsoft Windows 3.1. Expert Mouse requires less hand movement than a regular mouse, and the trackball requires minimal finger movement.

Two versions are available: a bus version (2.31 lbs.; $179.95) and a serial version (1 lb., $149.95).

No Photograph Available

Product Name: Eye Slaved Pointing System

Vendor: ISCAN, Inc.

Computer: IBM PC Family

Cost: $15,000.00

The Eye Slaved Pointing System is a turnkey computer system which can be completely controlled through eyegaze input. The user can use word processing and modem applications and control external appliances through menu driven software. The system tracks the movement of the user's eye as he or she looks at the computer screen, and then translates the movement into computer input. The Pointing System allows for significant head movement and eye drifting as well as eyeglasses or contact lenses.

The Eye Slaved Pointing System includes an IBM compatible 386 personal computer, printer, modem, system software, external appliance control box, and eye tracking system.

Product Name: ezMorse for Windows

Vendor: Neil Squire Foundation

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $250.00

ezMorse for Windows is a software program that allows Morse Code to be used in place of typing on the IBM-PC keyboard in Microsoft Windows running in enhanced mode. The user activates one or two switches to create Morse codes, which the computer accepts as if the corresponding letter had been typed on the keyboard. The Morse codes are based on the military standard (with a few exceptions), with special mnemonic codes used for all other keys. Speed is adjustable by the user.

The system requires an IBM or compatible computer with a minimum 386DX processor, 4MB of RAM, Windows running in enhanced mode, a game or serial port, and a dual input switch. ezMorse for DOS is included with ezMorse for Windows. A switch cable that allows any switch to be plugged into the computer is included. Switches are not included.

Product Name: ezScan

Vendor: Neil Squire Foundation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Electronic Manual, Printed Manual

Cost: $150.00

ezScan is a software program that allows scanning of an on-screen keyboard to be used instead of a standard keyboard. A series of windows "pop up" on the screen to represent keyboard functions. The pop-up windows can be positioned anywhere on the screen. The user selects characters by scanning with a switch. Five types of scanning can be used, and parameters such as delay time and scan speed can be set.

ezScan requires a computer with a minimum of 64K of memory and a game, serial, or parallel port. The program comes with a cable for plugging in a switch; switches are not included.

Product Name: FastTRAP

Vendor: Microspeed Inc.

Computer: IBM PC Family, IBM PS/2 Family

Size: 7.5" x 4.25" x 2.63"

Weight: 12 oz.

Cost: $149.00 - $169.00

FastTRAP is a trackball, three buttons, and a "third axis" roller, contained in a small box. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons emulate the "click" button on the standard mouse. The center button toggles the "drag lock" feature, produing a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. A keyboard emulation program (included) permits creation of templates for use with some programs that do not customarily support mouse use.

FastTRAP comes in two models: a serial version that can be plugged into the COM1 or COM2 port ($149.00) and a bus version that can be plugged into any empty expansion slot ($169.00).

No Photograph Available

Product Name: Felix

Vendor: Altra

Computer: Apple Macintosh Family, IBM PC Family

Size: 6" square

Cost: $69.00

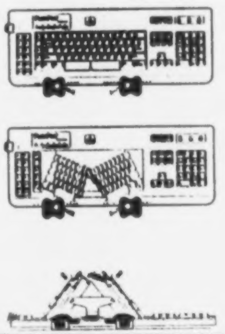
Felix is a six inch square device that emulates the computer mouse. In the center of the square is a one inch square depressed area which corresponds to the computer screen. As the user moves a small pointer over that center area using his or her fingers an equivalent cursor movement occurs on the screen. Felix is self-contained and does not require any surface space to be functional. The device comes with special software which allows the user to program it with functions such as "no-hand" automatic access to window control areas.

There are two models available: one works with IBM and compatible computers and the other with Macintosh computers.

No Photograph Available

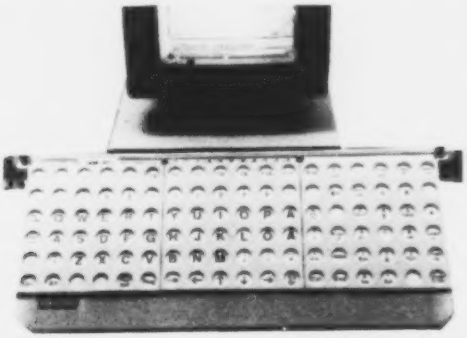
Product Name: First-Finger WinTrack
Vendor: A4 Tech (USA) Corporation
Computer: IBM PC Family
Cost: $18.00

First-Finger WinTrack is a trackball designed to be operated by the first finger. The mouse buttons are located at the corners to be operated by the thumb and other fingers.



Product Name: FlexPro
Vendor: Key Tronic
Computer: IBM PC Family
Size: 20.5" x 8" x 1.6"
Weight: 4 lbs.
Cost: $199.00

FlexPro is an adjustable keyboard with a 101-key, QWERTY layout. The keyboard is split and tilted by a thumb-wheel control. Other features include adjustable hand rest pads and a built-in measuring scale to set operating positions for multiple users.



Product Name: GEWA FTB 108 Enlarged Keyboard

Vendor: Zygo Industries, Inc.

Computer: IBM-PC XT, IBM PC AT,
IBM PS/2 Family

Cost: $1,695.00

The GEWA FTB 108 is an enlarged keyboard for personal computers. The keyboard has 108 keys which can be used with a low amount of force; the enlarged keys corresponds to the standard keyboard keys. The keys are recessed so that they can not be pressed unintentionally. Operation delay and repetition rate functions can be set to limit the number of wrong keystrokes. A "keep-function" allows one-finger typists to activate the CRTL and ALT keys one at a time rather than simultaneously. A programmable memory allows the user to enter frequently used phrases and long commands.

The GEWA FTB 108 is compatible with IBM PS/1, PS/2, AT, and XT computers.

No Photograph Available

Product Name: GEWA METB 121 Reduced Size Keyboard

Vendor: Zygo Industries, Inc.

Computer: IBM-PC XT, IBM PC AT,
IBM PS/2 Family

Cost: $1,695.00

The GEWA METB 121 is a reduced size keyboard for personal computers. The keyboard has 121 keys which each correspond to the standard keyboard. Operation delay and repetition rate functions can be adjusted to minimize the number of wrong keystrokes. A "keep-function" allows one-finger typists to activate the CRTL and ALT keys one at a time rather than simultaneously. A built-in memory enables the user to store frequently used phrases and long commands.

The GEWA METB 121 is compatible with IBM PS/1, PS/2, AT, and XT computers. No interface or extra cabling is needed.

Product Name: HAL (Home Automation Link)

Vendor: Voice Connection

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $1,295.00

HAL (Home Automation Link) is a voice input system for the IBM-PC that allows the user full control of the computer by voice, and offers the options of phone control, appliance control, synthesized speech output, and TV and radio tuning control. The HAL program presents the user with "windows" on the computer screen, each displaying a set of control options. The user can select a window, and then command the system to perform control functions, all by speaking words and phrases into a microphone. For 36 different application programs the user can enter all data and commands that would otherwise be entered on the keyboard.

The price listed for HAL includes: the HAL environmental control software, POPSWAP software (presents the windows), AutoMenu software (for application programs), IntroVoice VI voice recognition/synthesis hardware and software (see entry), headset microphone, and the HAL circuit board for voice control of speaker phone. Options available at extra cost include X-10 appliance control, Infrared controller, modem, and speech synthesizer. Contact the manufacturer for prices.

Product Name: Hand Controls

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe

Size: 4.25" x 2.5" x 1.25"

Weight: 8 oz.

Cost: $30.00

Hand Controls are a set of two push switches meant to be used with the Early Learning programs from Marblesoft. The buttons are clearly labeled "YES" and "NO," the two choices the programs offers in switch mode.

Product Name: HandiCODE and HandiCODE Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $395.00 - $495.00

HandiCODE is a computer program that coverts single, dual, or triple switch Morse code to computer-readable form. The standard Morse code assignments have been extended to include the extra keys on the PC keyboard, plus pre-defined and user-defined commands. A macro facility provides abbreviation expansion for frequently used series of keystrokes. HandiCODE may also be used to control a DECTalk, Votrax, Computalker, or Echo speech synthesizer (extra) to provide voice output capabilities. A training utility, PracticeCODE, is included. Word input speed may be adjusted from 1 to 99 words per minute. HandiCODE provides on-screen help capabilities, and supports 40 or 80 column mode. Morse code paddles and connectors are available from the manufacturer; HandiCODE also supports use of three keyboard keys or other external switches as input devices. HandiCODE will work with most text, graphics, or Microsoft Windows application programs.

HandiCODE is available for $395.00. HandiCODE Deluxe (for DOS only), which includes word prediction and abbreviation expansion capabilities, is $495.00.

Product Name: HeadMaster Plus

Vendor: Prentke Romich Company

Computer: Apple®IIGS, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

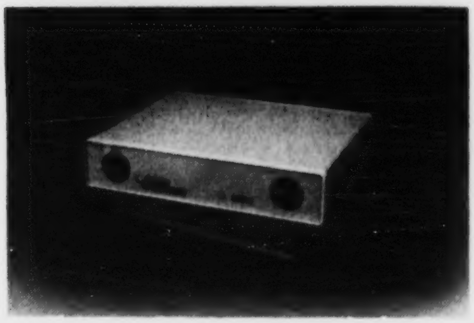
Size: 6.25" x 5.125" x 1.5"

Weight: 11 oz.

Cost: $1,195.00

HeadMaster Plus is a headpointing system that replaces the mouse and keyboard of the computer. An ultrasonic transmitting unit sits atop the Mac monitor and sends signals to a lightweight headset that the user wears. HeadMaster translates changes in the user's head position into changes in the cursor's position on the screen. This positioning is relative; i.e., the user does not have to center his head directly in front of the screen. Lightly puffing into a tube connected to the headset is equivalent to pressing the mouse button.

HeadMaster is sold as a separate component. Hard disk and printer are options. HeadMaster may also be purchased with a remote adapter option which eliminates the need for the connecting cable between the headset and the computer ($995.00). On screen keyboards can be purchased separately for access to keyboard laptop adaptor ($85.00).



Product Name: HeadMouse

Vendor: Origin Instruments Corporation

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Size: 7.3" x 5.7" x 1.5"

Weight: 2 lbs.

Cost: $1,795.00

HeadMouse is an input device that translates the movements of a user's head into directly proportional movements of the computer mouse pointer. HeadMouse is a wireless optical sensor which tracks a paper thin, quarter inch dot that is attached to the user's forehead or glasses. With an on-screen keyboard, text can be entered into standard software applications. Entries are made by positioning the mouse pointer over a key and the actual key press is implemented by dwelling over that key for a set period of time or by using an adaptive switch. High HeadMouse tracking resolution allows the device to be used in drawing and Computer Aided Design applications.

HeadMouse emulates a Microsoft serial port mouse. It can also interface to computers that use the PS/2 format mouse with an Origin Instruments, PS/2 Smart Cable. For Macintosh computers, an Apple Desktop Bus (ADB) Smart Cable is available. The HeadMouse uses standard mouse drivers found on IBM-PC compatibles and Macintosh computers.

Product Name: Help U Key

Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Cost: $395.00

Help U Key is a software program that allows a user to control the computer with a single switch or a single keyboard key. The program presents an array of key choices on the screen and the user scans through the selections, indicating a choice by activating the switch or hitting a key. The cursor keys on the keyboard can also be used to move through the array and make choices. Selecting a key in the on-screen array is equivalent to typing that key on the keyboard, so any keyboard-driven software can be operating using Help U Key. The Help U Key software also provides abbreviation expansion capability, and can present word prediction lists based on the initial letters a user types.

Help U Key requires an external switch for switch input. The program supports English, Italian, Spanish, German and French languages. For users with speech impairments, a text-to-speech option is also available.

Product Name: Help U Keyboard

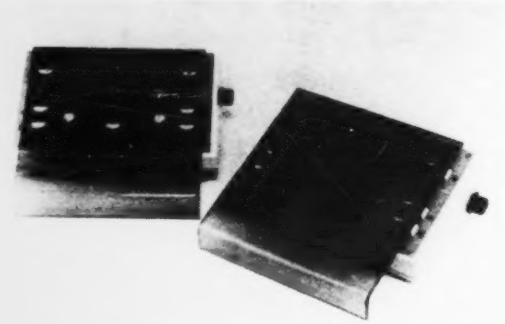
Vendor: World Communications

Computer: IBM PC Family, IBM PS/2 Family

Cost: $395.00

Help U Keyboard is software that creates an on-screen keyboard. The user operates a pointing device (such as a mouse or a remote headpointer) to move an on-screen pointer to the image of a desired key. The user can then select that key using the mouse button, a switch, or delay time (key automatically accepted when the pointer has been on it for a certain length of time). The Help U Keyboard software also provides abbreviation expansion capability, and can present word prediction lists based on the initial letters a user types. Many different keyboard layouts are available.

Help U Keyboard requires a pointing device such as a mouse, trackball or remote headpointer. The program supports English, Italian, Spanish, German and French languages. For users with speech impairments, a text-to-speech option is also available.



Product Name: Hereward Tracker Ball & Joystick Module

Vendor: Penny & Giles Computer Products

Computer: Apple Macintosh Family, IBM PC Family, IBM PS/2 Family, Sun Microsystems SPARCstation

Size: 10" x 10" x 3.5"

Cost: $480.00 and up

Special Needs Tracker Ball and Joystick Module are alternate input devices that replace a standard mouse. The Tracker Ball has a 3" diameter track ball for control, while the Joystick model has a joystick lever. Both models have buttons for click, double-click, drag, and restrict-movement horizontal or vertical. Buttons are duplicated on both sides of the unit for use with either hand. Switch jacks are provided so that button functions can be accomplished with external switches. Both models have removeable keyguards; the joystick model also has a pair of metal bars next to the joystick lever for resting the hand while moving the lever. A rotary switch on the side of the unit allows cursor movement speed to be set.

Special Needs Tracker Ball and Joystick Module can be connected to a variety of computers, including Macintosh, IBM PC, IBM PS/2, DEC, SUN and Archimedes workstations.

No Photograph Available

Product Name: Icontroller

Vendor: Suncom Technologies

Computer: IBM PC Family, IBM PS/2 Family

Cost: $19.99

The Icontroller is a mouse emulator that allows for fingertip cursor control and attaches to the keyboard. Either pixel by pixel rate or accelerated speed can be chosen, and three mouse buttons make the Icontroller Microsoft and Mousesystem compatible.

Desktop and laptop models are available.

Product Name: IN-CUBE Voice Command for SPARC Stations

Vendor: Command Corp, Inc.

Computer: Sun Microsystems SPARCstation

Cost: $495.00

IN-CUBE Voice Command lets SPARC Station users enter commands and data by voice. This real-time continuous speech recognition system provides voice access to all SPARC Station applications including publishing, CAD, and database. IN-CUBE can be customized for any application and is supplied with starter lexicons for FrameMaker, Interleaf, AutoCAD, and MicroStation. No hardware addition is required and IN-CUBE uses the built-in audio input on the SPARC Station to receive commands.

Any microphone compatible with the SPARC Station may be used.

Product Name: IN-CUBE Voice Command for Windows, NT

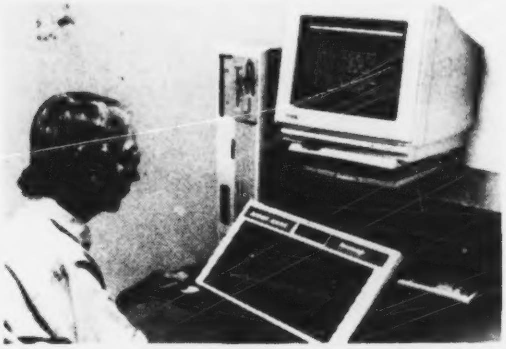
Vendor: Command Corp, Inc.

Computer: IBM PC Family

Cost: $395.00

IN CUBE Voice Command is a continuous speech-recognition system that can be used, without modification, by people with disabilities. IN CUBE features voice access to the graphic user interface for blind and low-vision users. Voice window navigation and voice macro command input is designed to benefit people with mobility impairments. IN CUBE is also designed to prevent repetitive strain injuries by eliminating repetitive keyboard and mouse operations.

IN CUBE may be used with any Microsoft Windows compatible sound card.



Product Name: Instant Access

Vendor: Innocomp

Computer: Apple Macintosh Family, IBM PC Family

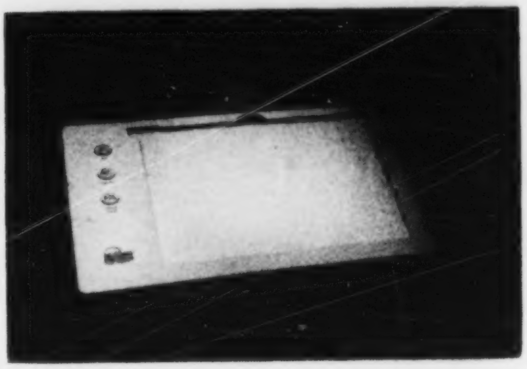
Size: 19" x 9.25" x 2.38"

Weight: 5 lbs.

Cost: $2,995.00

Instant Access is a computer input device that allows a laser light pointer or any single switch to run any software package. Instant Access plugs directly into the keyboard port of the computer with no special software or hardware required. Software is required for mouse emulation (not included).

Instant Access includes a manual, laser light pointer, and cable.



Product Name: IntelliKeys

Vendor: IntelliTools, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Size: 10" x 17"

Weight: 2 lbs.

Cost: $395.00

IntelliKeys is a touch-sensitive alternate computer keyboard. For Macintosh, Apple IIgs and IBM PC computers, IntelliKeys requires no special interface: the keyboard plugs directly into the keyboard port. (For connecting to an Apple IIe, an additional interface is required.) IntelliKeys can be used to perform standard keyboard and mouse functions, and may also be set up in custom arrangements for operating particular software. The IntelliKeys keyboard has 576 individual keys (24 x 24). IntelliKeys comes with seven overlays: arrows, numbers, alphabet, basic writing, IBM QWERTY, Apple QWERTY, setup, and clear (for protecting custom overlays). When one of these overlays is slipped onto the keyboard, it is instantly recognized and the keyboard is configured appropriately. The Setup overlay permits the adjustment of various keyboard fuctions.

Custom overlays can be created with the IntelliKeys Overlay Maker (see entry).

Product Name: IntroVoice V

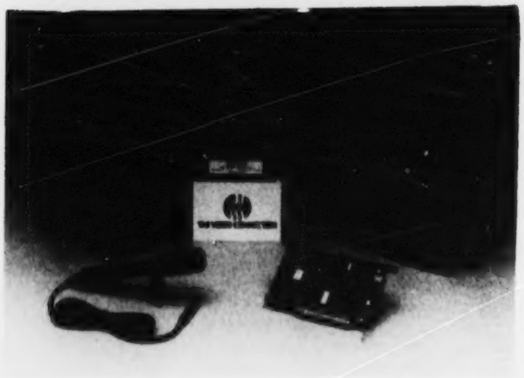
Vendor: Voice Connection

Computer: IBM PC Family

Cost: $350.00

IntroVoice V is a voice input system for the IBM-PC. The user trains the system to recognize certain spoken utterances (up to 1.25 seconds long), and then programs these utterances to trigger strings of characters. When the user speaks a trained utterance into the system's microphone, the programmed string of characters is sent to the computer as if it were input from the keyboard. Sets of trained utterances may be created for each applications program; these vocabularies can contain up to 500 utterances apiece. Subgroups within a vocabulary may also be created. The number of characters triggered by each utterance depends upon how much memory the user is willing to consume; the maximum number of characters is 1,000. The microphone can be turned on and off by voice command.

Software provided includes a program to assist the user in creating vocabularies as well as one with predetermined vocabularies for certain popular applications software. The system includes a PC board, microphone, manual, and software.



Product Name: IntroVoice VI

Vendor: Voice Connection

Computer: IBM PC Family

Cost: $495.00

IntroVoice VI is a voice input system with a built-in speech synthesizer for voice output. The system consists of an internal circuit card for the IBM-PC computer, special software, and a microphone and speaker. The user "trains" the system to recognize certain words or phrases by speaking them into the microphone. Once the system is trained to recognize a particular utterance, the user can program a character (letter, number, etc.) or set of characters to be associated with that utterance. When the IntroVoice VI "hears" the utterance, it will send the programmed characters to the computer, just as if they had been typed on the keyboard. This allows the user to control standard commercial software by voice alone. The built-in speech synthesizer can be programmed to echo text back to the user. This option can be useful for verifying data entry. The software provided with the IntroVoice VI system is menu-driven, giving the user a structured way to program vocabulary.

IntroVoice VI can be programmed for up to 500 recognized words at one time. The circuit card is half-size. IntroVoice VI is also available packaged with HandiWORD, a word prediction program.

Product Name: IRIS Reading Interface 3.0

Vendor: VisuAide

Computer: IBM PC AT, IBM PS/2 Family

Cost: $495.00

IRIS Reading Interface is a software package that, when combined with the appropriate hardware, allows an IBM PC-AT or PS/2 computer to function as a reading machine using optical character recognition. IRIS uses the numeric pad on the AT-style extended keyboard to control a variety of reading, notetaking, and file management functions. Reading functions include: reading text by character, word, sentence, paragraph, or page; searching text for a word or phrase; and moving to a specific page in a document. IRIS also includes context-sensitive online help, and can send the document being read to a peripheral unit.

IRIS runs on an IBM AT (386 or higher) or PS/2 computer with at least 4 MB of RAM, one floppy disk drive, (5.25" or 3.5"), an AT extended keyboard, and a hard disk. Also required: a Hewlett Packard scanner (ScanJet Plus or higher) and speech synthesis hardware. IRIS does not require a screen review program to operate or read text. Contact the manufacturer for more details about setting up the system.

No Photograph Available

Product Name: Jouse

Vendor: Prentke Romich Company

Computer: IBM PC Family

Cost: $2,300.00

Jouse is a mouth operated mouse that combines sip, puff, and bite switches with a proportional joystick to provide full mouse and keyboarding capability (when using morse code or an on-screen keyboard) using only mouth movement. Cursor movement is achieved by moving the mouthpiece in the direction the user wants the cursor to move. A light bite changes the sip and puff operation between mouse buttons and two auxilliary switch outputs for morse code keyboard emulation or ECU operation. In mouse mode, a puff activates the left mouse button and a sip activates the right. A long puff activates a latching feature for drag operations. Jouse includes an adjustable mounting system.

Jouse works with IBM compatible computers running DOS or Microsoft Windows. An available 9-pin serial port for a serial mouse is required and morse code use requires an additional serial port or game port.

Product Name: Joystick to Mouse Driver

Vendor: Innovation Management Group, Inc.

Computer: IBM PC Family

Cost: $29.95 - $99.95

Joystick to Mouse is a software application that lets any joystick move the cursor just like a mouse (or any other pointing device). The software supports up to four joystick button assignments and the user can assign any button commands supported by the current mouse driver. Each mouse button command can be set to one of the joystick buttons. The joystick application supports two modes, Absolute and Relative. In Absolute mode the cursor follows joystick position exactly including snap back to center with auto-centering joystick. In Relative mode the cursor follows the joystick position but remains in last known position when the joystick is released and snaps back to center. Joystick to Mouse can also be used with joysticks that support "switches."

The program works with applications running under Windows 3.0 and 3.1, Windows for Workgroups 3.11, and Windows 95. Other operating systems are in development; contact manufacturer for details.

Product Name: JustVoice

Vendor: Interactive Products, Inc.

Computer: IBM PC Family

Cost: $175.00

JustVoice is an unlimited vocabulary speech recognition software package for both Microsoft Windows and DOS users. The purpose of the program is to allow the user to command and control applications via voice templates and macro type commands. One training pass is required (Windows version has verification pass also). Accuracy averages over 98% but the system is speaker dependent, meaning that only one user can access the program. Word utterance length can vary from 150 milliseconds to 2.5 seconds.

JustVoice comes with a VoiceCard and microphone. The VoiceCard will coexist with other sound cards or as a stand-alone device usable as a sound card. Systm requirements for the DOS version are 286 CPU, DOS 3.3, and an available 8-bit ISA slot. The Windows version requires a 386/25 or faster processor.

Product Name: K-U-I

Vendor: Softac Corporation

Computer: IBM PC Family

Cost: $39.95

K-U-I is a keyboard user interface program for use with Microsoft Windows. The program has a "hot keys" feature which provides mouse emulation through user-defined keystrokes. K-U-I has a built-in magnification feature which provides enlargement of two to eight times original size. The program also allows easy access to DOS commands and user-defined "aliases" to be used instead of commands lines.

Product Name: Ke:nx

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Portable, Apple Macintosh SE/II

Manual Form: Printed Manual

Cost: $780.00

Ke:nx (pronounced "connects") is a software program that permits Macintosh computers to be operated by means other than the standard keyboard and the mouse cursor-control device. Access strategies that may be used with Ke:nx include single switch scanning, Morse code, or ASCII input and a variety of alternative keyboards. Other features include mouse emulation, macro capability, and speech output capability.

Ke:nx works transparently with a variety of standard software programs. Customization possibilities are extensive.

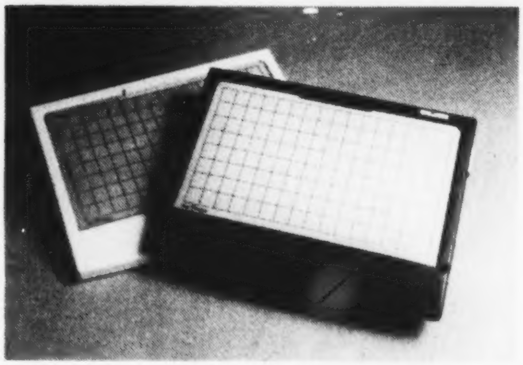
Product Name: Ke:nx On:Board (M43)

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $595.00

Ke:nx On:Board is an alternative, touch sensitive keyboard for the Macintosh PowerBook. The keyboard has 128 keys and all the standard features of the PowerBook keyboard. The touch sensitivity of the keyboard may be adjusted accordingly for the user. The area surface of keys is larger than the standard keyboard and the letters or numbers on the keys appear in large print. The mouse, windows, and menus are controlled by using designated keys. Overlays and software (extra) can be used to redefine the keys. Ke:nx On:Board also features a built-in wrist rest. Digitized speech (extra) may be added on to make the keyboard "talk".



Product Name: Key Largo

Vendor: Don Johnston Incorporated

Computer: All (Hardware Independent)

Size: 16" x 12" x 3"

Weight: Under 3 lbs.

Cost: $295.00

Key Largo is membrane keyboard designed for use with Ke:nx, Adaptive Firmware Card, and other interfaces (see entries). The keyboard is a medium-sized, light-touch input device. Key Largo may be used to control Apple II programs using the Adaptive Firmware Card or create and print custom overlays using the Ke:nx software. It's membrane surface is divided into 128 squares which can be configured for the user's needs. The keyboard uses paper or plastic overlays the size of a standard legal-sized sheet of paper (8.5" x 14"). Key Largo also features a built-in wrist wrest.

No Photograph Available

Product Name: Keyport 176

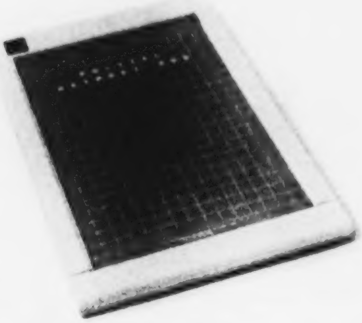
Vendor: Polytel Computer Products Corporation

Computer: IBM PC Family

Cost: $295.00 - $395.00

Keyport 176 is a membrane keyboard. With the included software, the user can assign any series of commands or characters to a single key on the surface. Each of the 176 keys is a 5/8" square with tactile or dome style keys and larger keys can be created by assigning several adjacent keys the same value. Different patterns of key assignments can be stored on disk and recalled for different applications.

Keyport 176 requires an adapter or interface card from Polytel to plug into the game port of the computer and will work with virtually any software application. The keyboard is also available with a direct keyboard connection for $395.00.



Product Name: Keyport 300

Vendor: Polytel Computer Products Corporation

Computer: IBM PC Family

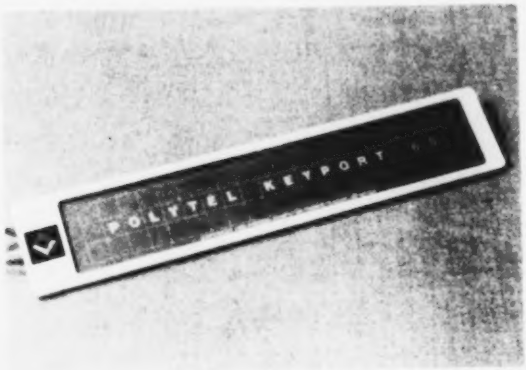
Size: 9.2" x 13.7" x 0.9"

Weight: 26 oz.

Cost: $195.00 - $295.00

Keyport 300 is a 300-key alternate keyboard for the IBM-PC. Using the accompanying software (included), the user can assign any series of commands or characters to a single key on the Keyport 300's membrane surface. Different patterns of key assignments can be stored on disk and then recalled when running the appropriate piece of applications software. The user can place different custom overlays on the Keyport corresponding to these different key assignment patterns. Each key on the Keyport 300 is 0.5 inches square; larger keys can be created by assigning several adjacent keys the same value.

Keyport 300 plugs into the game port of the computer, and can be used at the same time as the standard keyboard. (If the computer does not have an active game port, it must be outfitted with one; contact Polytel or your computer dealer.) Keyport 300 will work with virtually any applications software. The keyboard is also available with direct keyboard connection for $295.00.



Product Name: Keyport 60

Vendor: Polytel Computer Products Corporation

Computer: IBM PC Family

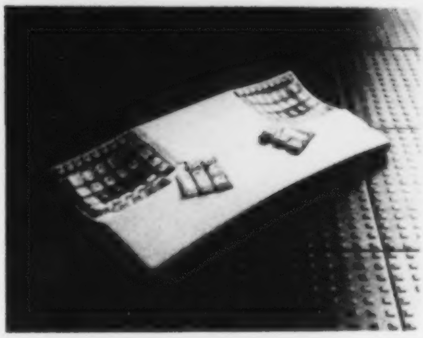
Size: 12.2" x 2.4" x .25"

Weight: 4 oz.

Cost: $119.00

Keyport 60 is a small membrane keyboard consisting of 60 0.5" square keys in a 3 x 20 layout. Using the accompanying software (included), each key on the Keyport 60 can be assigned a series of characters which then will be triggered when that key is pressed. Keyport 60 and the standard keyboard can be active at the same time. Patterns of key assignments can be stored on disk and then recalled, allowing the user to have a separate custom 60-key keyboard for any applications program. Overlays can be placed on the Keyport's surface to indicate which areas trigger which characters or commands. Larger key areas can be obtained by assigning adjacent keys the same value.

Keyport 60 plugs into the IBM's game port. (If the computer does not have an active game port, it must be outfitted with one; contact Polytel or your computer dealer.) Keyport 60 can be affixed along the top of an IBM keyboard with adhesive pads (provided). Keyport 60 will work with virtually any applications software.



Product Name: Kinesis Ergonomic Keyboard

Vendor: Kinesis Corporation

Computer: Apple Macintosh Family,
IBM PC Family, Sun Microsystems SPARCstation

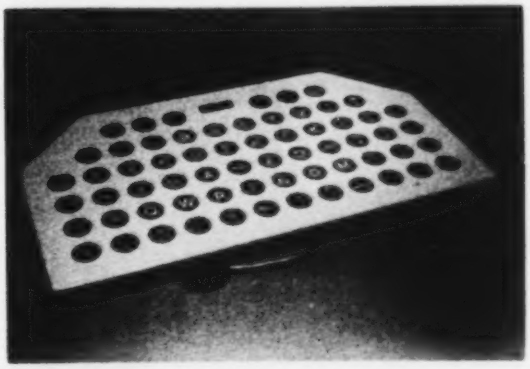
Size: 16.5" x 8" x 3"

Weight: 3 lbs.

Cost: $390.00

The Kinesis Ergonomic Keyboard is a keyboard that conforms to the shape and movements of the body and is designed to reduce physiological stress and increase productivity. The traditional QWERTY key layout is retained but can be reprogramed for individual preferences and stored in the keyboard itself. The keyboard has seperated, concave alphanumeric keypads, separate thumb keypads to redistribute workload from little fingers to the thumbs, closer placement of function keys, a palm rest, and low-force, tactile keyswitches to provide mechanical and audible feedback.

Use with the Macintosh and Sun computers requires an interface box (not included). Two optional foot switches are also available at $25.00 a piece.



Product Name: King Keyboard (2440)

Vendor: TASH, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family,
IBM PS/2 Family

Size: 23.5" x 12" x 1"

Weight: 5 lbs.

Cost: $750.00

King Keyboard is an expanded version of the Apple IIe keyboard, with 1.25" diameter keys. The keys are slightly recessed so that the board's surface acts as a keyguard. Operating the keys requires 200 gm of pressure. When used with the Adaptive Firmware Card or Ke:nx (see entry) on Apple computers or DADA Entry (see entries) on IBM computers, all keys can be redefined so that they enter desired words, characters, or phrases: up to 128 messages can be stored and retrieved. Key response time can also be varied, and SHIFT and CONTROL keys are latched.

Product Name: Kurzweil VOICE

Vendor: Kurzweil Applied Intelligence, Inc.

Computer: IBM PC Family

Cost: $2,995.00

Kurzweil VOICE is a voice-activated input system that allows the user who is unable to use a keyboard to run word processing, spreadsheet, database, and other software completely by voice. Kurzweil VOICE comes with a built in vocabulary of 40,000 pre-defined speaker independent words with no system training. Users can also access a 200,000-word on-line dictionary to easily add words up to the 50,000 capacity. Trigger phrases can be defined to act as macros for text and control. Automatic speech adaption leads to improved accuracy with use and error correction usually requires a few spoken utterances. All application commands, selections, and functions can be controlled by voice and more than one application can be run at one time. No programming is required.

Product Name: Kurzweil VOICE for Windows

Vendor: Kurzweil Applied Intelligence, Inc.

Computer: IBM PC Family

Cost: $995.00

Kurzweil VOICE for Windows supports voice input for dictation and navigation with speaker-independent speech recognition technology. Users can choose either a 60,000-word or a 30,000-word active vocabulary, depending on the amount of RAM available, and have access to a total of 200,000 words in VOICE's on-line knowledge. VOICE adapts to the user's speech and language patterns to provide recognition accuracy of 95%.

Almost all Microsoft Windows applications are compatible with VOICE, including WordPerfect, Lotus, and Microsoft programs. A VGA or higher resolution video adapter is required. VOICE includes a sound board and microphone.

No Photograph Available

Product Name: Laser Optic Keyboard

Vendor: International Technology, Inc.

Computer: IBM PC Family

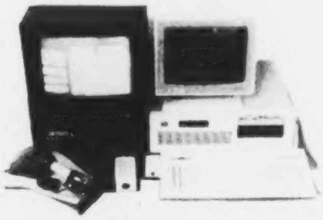
Size: 10" x 18"

Weight: 2 lbs.

Cost: $800.00

The Laser Optic Keyboard is a transparent input device for IBM computers which translates head movements into key strokes. The keyboard consists of a small laser unit and interface board. The laser unit is attached to the user's eyeglasses or headband, the wearer then uses head movement to select the desired character on the interface board. When a character is selected a light flashes in visual acknowledgement and a click sounds as an audible signal; the character then appears on the computer screen. The keyboard comes with a word processor and can also be used to operate most standard software on the computer.

The keyboard, including laser, interface board, and software is available for $800.00. Speech output is an available option.



Product Name: LIAISON

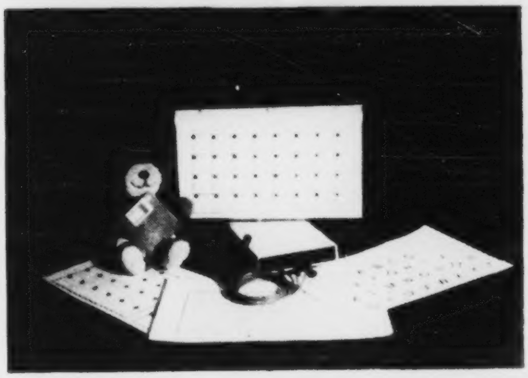
Vendor: APT Technology, Inc.

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Cost: $4,385.00

LIAISON is a device designed to give high-level quadriplegics (C-5 to C-1) access to computers, environmental control, and telephone operation. When attached to a computer, LIAISON may be used to provide alternate input (both keyboard- and mouse-emulating) to most software programs. Input is accomplished by using an on-screen keyboard (displayed on a separate color monitor) and infrared proportional input. Length of time required to activate a key and other variables are programable. LIAISON can be assigned level type macros so that phrases up to 240 characters can be retrieved by pressing one key and keyboard layouts with up to seven levels can be stored in memory. LIAISON may be used to program telephone numbers and dial a telephone or speakerphone (extra), whether or not attached to a computer. LIAISON is also designed to control four AC outlet groups, 16 remote AC power outlets (requires an X-10 starter kit), and miscellaneous control functions (e.g., switches). The keyboard is configurable.

LIAISON may be controlled using the DU-IT Wheelchair System or as a stand-alone unit using a DU-IT proportional input (chin or tongue/lip).



Product Name: LightBoard

Vendor: Ability Research, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Weight: 2.8 lbs.

Cost: $795.00 - $995.00

The LightBoard is an alternative computer keyboard which is operated by head motion using an optical pointer. The keyboard is programmable and "keys" can be grouped according to the user's needs. To input text or commands, the user directs the optical pointer to the desired "key". Lightboard provides transparent access for all software applications when used with most adaptive interfaces including the Adaptive Firmware Card and Ke:nx. The product is available with either 128, 72, or 32 "keys".

The LightBoard is compatible with the Unicorn boards and Apple IIe, Apple IIGS, Macintosh, and IBM computers. Keyboard, stand, blank overlays, and head pointer are included.

Product Name: LipStick and WordWriter

Vendor: McIntyre Computer Systems Division

Computer: Apple Macintosh Family

Cost: $150.00 - $450.00

LipStick is an alternate input system for an Apple Macintosh, employing a joystick or trackball in place of the standard mouse and keyboard. Moving the joystick or rolling the trackball is equivalent to sliding the mouse. Pushing the joystick "fire" button or pressing the trackball button is equivalent to clicking the mouse button. WordWriter is software which presents an image of the keyboard on the computer screen. Included with the keyboard is a predictive vocabulary list of over 4,000 words; users can add and delete words or phrases from this list. The user can perform the equivalent of typing on the keyboard by moving the mouse cursor to a letter or word on the keyboard image and pushing the button. The joystick is available mounted on a gooseneck for mouth operation, but can also be mounted differently and operated by another part of the body. The input system operates transparently, offering the user access to most commercially available software for the Macintosh computer.

The LipStick and mounting are $300.00; WordWriter is $150.00; LipStick, mounting, and WordWriter may be purchased together for $450.00.

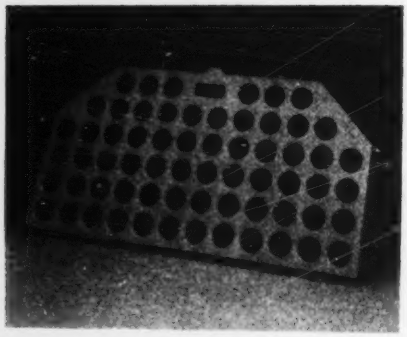
Product Name: Listen for Windows

Vendor: Verbex Voice Systems

Computer: IBM PC Family

Cost: $139.00

Listen for Windows is a continuous speech recognition software product that includes speech interfaces for Microsoft Office, Lotus SmartSuite, WordPerfect and over 30 other popular Microsoft Windows applications, ready to use. The system has a speaker independent vocabulary of over 3,000 words and 16,000 commands. Listen also allows users to navigate, command, control, enter data, and make inquiries into Windows applications. Listen is speaker independent for most North American speakers and can be trained to accept any dialect, accent, or language.



Product Name: MacKing

Vendor: TASH, Inc.

Computer: Apple Macintosh Family

Size: 21.5" x 11" x 2.25"

Weight: 5.5 lbs.

Cost: $900.00

MacKing is a large size alternative keyboard that plugs directly into a Macintosh computer. Keys are 1.25" in diameter, slightly recessed, and provide both tactile and auditory feedback. The MacKing also has a built-in keyguard. The keyboard controls both keyboard and mouse functions.

Two layouts are available: frequency-of-use (most frequently used letters are placed toward the center of the keyboard) and the standard QWERTY. System requirements include: Macintosh SE or higher, System 6.0.5 or higher, and at least 1 MB RAM.

Product Name: MacMini

Vendor: TASH, Inc.

Computer: Apple Macintosh Family

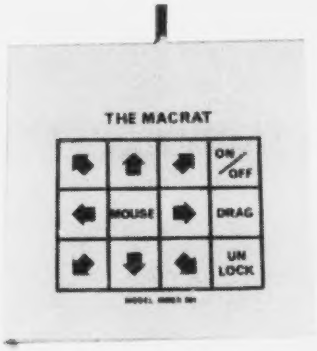
Size: 7.25" x 4.5" x 1"

Weight: 0.9 lb.

Cost: $750.00

MacMini is a small size alternative keyboard that plugs directly into a Macintosh computer. Membrane keys are less than 0.5" square and are closely-spaced for easy access. MacMini controls both the keyboard and mouse functions.

Two keyboard layouts are available: frequency-of-use (most frequently used letters are placed toward the center of the keyboard) and the standard QWERTY. System requirements include a Macintosh SE or higher, System 6.0.5 or higher, and 1 MB RAM or higher.



Product Name: Macrat

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family

Size: 9" x 9" x 1"

Weight: 1 lb.

Cost: $475.00

Macrat is a mouse emulating device for the Apple IIGS and Macintosh computers. The device consists of twelve 1.5" membrane keys. Eight of these keys are labeled with arrows pointing up, down, left, right, and towards the four diagonal directions. When one of these keys is pressed, the mouse pointer moves in the corresponding direction on the screen until the key is released. The rate of pointer movement is adjustable from the computer's keyboard. The rest of the keys emulate standard mouse functions (click, drag, and unlock), and turn the Macrat on and off.

Macrat comes with a clear plastic cover and is waterproof. An optional keyguard (extra) is also available. The device requires use of Easy Access which is included as a standard part of Apple IIGS and Macintosh system software. Macrat plugs directly into any Apple Desktop Bus (ADB) port and comes with an eight-foot cord.

Product Name: MacroMaster/pro

Vendor: AJ Weiner/New England Computer Products

Computer: IBM PC Family, IBM PS/2 Family

Size: 8" x 5" x 1"

Cost: $249.00

MacroMaster/pro (formerly called echoBOX) is a keyboard macro storage device. The MacroMaster is connected between the standard keyboard and the computer. The user can define up to 24 macros (strings of characters or commands) into the MacroMaster's memory. When the user presses a key on the MacroMaster, the macro programmed for that key will be sent to the computer just as if it had been typed in full on the standard keyboard. The MacroMaster has 12 keys plus a SHIFT key, and space for the user to affix custom labels by each key. Macros are stored in the MacroMaster/pro in non-volatile memory; that is, they are retained when the system is turned off, and no external power or internal battery is required to retain memory.

Product Name: MacTRAC

Vendor: Microspeed Inc.

Computer: Apple IIc, Apple IIe,
Apple Macintosh Plus, Apple Macintosh SE/II

Size: 3.75" x 6.75" x 1.75"

Weight: 12 oz.

Cost: $99.00 - $119.00

MacTRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

MacTRAC is available in two versions: DB-9 ($99.00), which can be used with Apple IIc and IIe computers equipped with a mouse card (extra) and with Macintosh Plus computers, and ADB ($119.00), which can be used with the Mac SE and II computers.

Product Name: Magic Wand Keyboard with McKey Mouse Option

Vendor: In Touch Systems

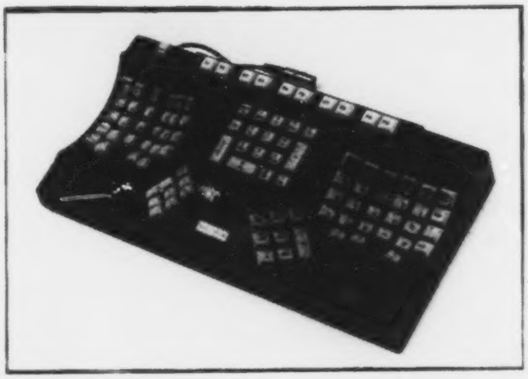
Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family, IBM PS/2 Family

Size: 7" x 6" x 0.5"

Weight: 12 oz.

Cost: $1,295.00 - $1,595.00

The Magic Wand Keyboard is a miniature computer keyboard with zero-force electronic keys that require no strength, reach, or dexterity to operate. The keyboard works with a hand-held wand or mouthstick and provides full keyboard and mouse capability to run all software. The mouse function has 11 speed settings, left and right click, drag, and double click. The CONTROL, SHIFT, and ALT keys latch on with a single touch. No installation or special software is required.



Product Name: Maltron Keyboard

Vendor: International Management Services, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $595.00 - $725.00

Maltron Keyboards are specially curved and arranged to suit several varieties of typing styles. There are four different keyboard models: single handed (left), single handed (right), mouth/head stick, and two handed. The single handed keyboards have a depressed area for the alphabet keys, cursor keys on the slope of the concave area, numeric pad on a flat portion to the side of the curved area, and function keys on a flat surface along the top of the keyboard. The right and left handed keyboards are mirror images of one another. The keys on the mouth/head stick keyboard are arranged in a rectangular block with function keys on the top row, alphabet keys to the left, and numeric pad to the right; this keyboard has an overall concave curve. The two handed keyboard has depressed areas on either side, each with alphabetic keys; function keys are along the top, numeric pad in the center, and command keys (CRTL, ALT, etc.) are in two groupings beneath the numeric keys.

The Maltron Keyboards have all the functions of a standard keyboard and are compatible with IBM computers.

No Photograph Available

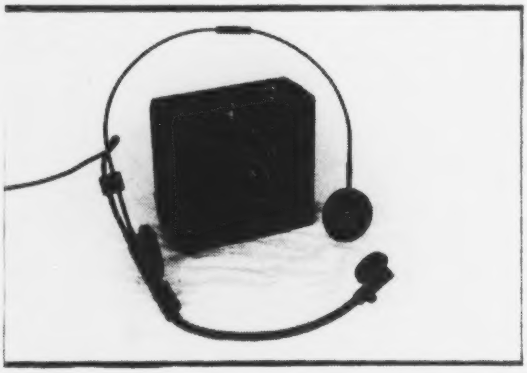
Product Name: MICE

Vendor: Ballert International, Inc.

Computer: IBM PC Family

Cost: $2,754.00

MICE is an input device that allows human joint movement to replace the operations of the computer mouse. Included software allows the therapist to analyze the patients' movements.



Product Name: Micro IntroVoice

Vendor: Voice Connection

Computer: IBM PC Family

Size: 3.125" x 1.75" x 3"

Weight: 8 oz.

Cost: $1,495.00

Micro IntroVoice is a voice input system with a built-in speech synthesizer for voice output. The system consists of an internal circuit card for the IBM-PC computer, special software, and a two-way headset or one-way headset with a desktop speaker. The user "trains" the system to recognize certain words or phrases by speaking them into the headset; the system can recognize up to 1,000 isolated words or phrases. Once the system "hears" a word or phrase it sends keystrokes via the serial port to the computer and text to the speech synthesizer for audio prompting and verification.

The Micro IntroVoice can be used with its own specialized software or with any standard software. The system can be purchased with the word prediction program HandiWORD. The system can also work with Microsoft Windows using WinVoice software.

Product Name: Micro IntroVoice II
Vendor: Voice Connection
Computer: IBM PC Family
Size: 5.7" x 3.6" x 1.6"
Weight: 14 oz.
Cost: $1,695.00

Micro IntroVoice II is a voice recognition device that allows the computer to recognize the human voice as input. It also has an unlimited text-to-speech synthesizer and digitized recorded speech for playing speech back. The device can recognize up to 1,000 words at one time and is 98 percent accurate. IntroVoice II can also be trained and the recognition vocabulary can be updated by using corresponding buttons on the unit. IntroVoice II is a small stand-alone unit that can be plugged into the serial port of any PC, including notebooks and hand-helds, and used for portable applications with eight-hour batteries. The device can be used with any DOS software and in Microsoft Windows applications when using WinVoice software ($99.00).

No Photograph Available

Product Name: Microsoft Natural Keyboard
Vendor: Microsoft Corporation
Computer: IBM PC Family
Cost: $99.95

The Microsoft Natural Keyboard is an ergonomic keyboard designed to prevent strain of prolonged typing. The Natural Keyboard features a split and rotated keypad, a built-in palm rest, an adjustable front edge, and a QWERTY layout. Windows-specific keys are also included to facilitate switching between Windows-based operations with minimal keystrokes. A graphical task manager, keyboard Control Panel display, and Ergonomic Guide are also included to create a custom keyboard layout.

Product Name: Microsoft Windows Sound System

Vendor: Microsoft Corporation

Computer: IBM PC Family

Cost: Contact manufacturer

Microsoft Windows Sound System is a combination sound board and software program that allows users to add voice annotations to documents, proofread by voice, and command Windows-based applications by voice. Hardware features include: a hands-free, directional microphone, a 16-bit audio board, stereo CODEC chip, MIDI synthesizer, five connectors, and headphones. Software features include: Quick Recorder with hands-free operation, ProofReader, Voice Pilot with user-specific vocabularies, Sound Editor, Audio Control, Sound Finder, and Games Support. Voice Pilot allows the user to activate any command in the menus of applications for the Windows operating system by voice. Personalized commands can also be created.

System requirements include: Windows, open ISA or EISA slot, 386SX 25 MHz or faster processor, 2MB RAM, hard drive with 10 MB available space, and VGA display.

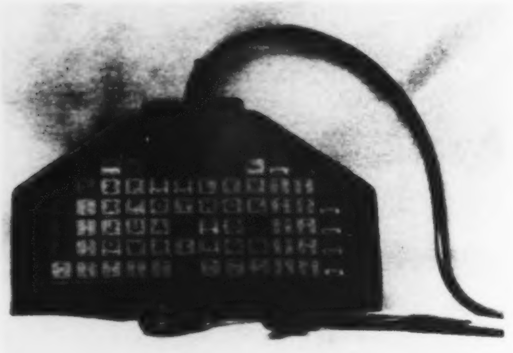
Product Name: MIKE (Mouse Interface & Keyboard Emulation)

Vendor: Prentke Romich Company

Computer: Apple Macintosh Family, IBM PC Family

Cost: $205.00

MIKE (Mouse Interface and Keyboard Emulation) is a software program that allows a Liberator (see entry) communication aid to be used as an input device for an IBM compatible or Macintosh computer. MIKE works with the Minspeak Application Program Words Strategy and puts all the needed keyboard keys and mouse movements into the Liberator's memory. The Liberator user gains control of any standard software on the computer. An emulator must be used to connect the Liberator to a computer. MIKE is compatible with the T-TAM (Trace Transparent Access Module), Access DOS, Access Pack for Windows 3.1 (see entries), and Access in Windows 95 (included in the operating system).



Product Name: Mini Keyboard (2443 or 2450)

Vendor: TASH, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PS/2 Family

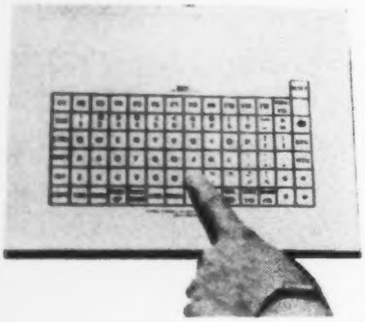
Size: 7.5" x 4.5" x 0.5"

Weight: 15 oz.

Cost: $375.00

This Mini Keyboard is similar to the Mini Keyboard previously sold by TASH, but the keys on the earlier model, which had to be pressed with a special stylus, have been replaced by small membrane keys which can be pressed with a finger, typing stick, mouthstick, etc. The keys require a force of 100 grams to activate. If used with the Adaptive Firmware Card, all keys on the Mini Keyboard can be redefined, key response time can be adjusted, and SHIFT and CONTROL keys will latch.

The Adaptive Firmware Card is required to use the Mini Keyboard with the Apple IIe or IIGS; Ke:nx for the Macintosh; the DADA Entry is required to use the keyboard with the IBM PC or PS/2. The PC Mini Keyboard (see entry) may be easier to use for PCs and PS/2s, as it contains the full IBM PC keyboard layout. A mini direct plug-in version for the Macintosh and IBM is also available.



Product Name: Mini-Keyboards

Vendor: EKEG Electronics Company LTD

Computer: Apple IIGS, Apple Macintosh Family, Commodore Amiga, IBM PC Family, IBM PS/2 Family

Cost: $475.00 - $750.00

Mini-Keyboards are membrane keyboards designed to be compatible with standard software. The keyboards are waterproof, and are covered by a clear plastic cover which can be peeled back to allow the use of overlays. The keyboards plug into the keyboard socket of the computer, and work transparently with most software. Additional features include audible click and light flash on key activation, and a DIP switch which allows repeat and delay rate adjustment.

Three configurations are available: with .5" square keys ($475.00), with .75" square keys and an active keyboard area of 10.5" x 4.5" ($625.00), and with 1" square keys and an active keyboard area of 14" x 6" ($750.00). Each of these configurations is available for use with the Apple IIGS and Macintosh (MIN 901AM), IBM PC and XT (MIN 901BX), IBM AT and PS/2 (MIN 901BA), and Commodore Amiga 2000 (MIN 901CA).

Product Name: MiniErgo-MF2

Vendor: Marquardt Switches, Inc.

Computer: IBM PC AT, IBM PS/2 Family

Weight: 5 lbs.

Cost: $100.00

The MiniErgo-MF2 is an alternate keyboard designed to compensate for the hand's natural angles while typing and prevent Repetitive Strain Injury (RSI). The MiniErgo features a split, V-shaped configuration which gently slopes to the sides and front, a surface with resting area for hands and palms, sculptured keycaps, and QWERTY letter layout.

An optional separate number pad can be placed either at the left or the right of the keyboard. The pad has all important function and command keys and can be connected directly to the PC also for applications in which only numerical data is entered.

Product Name: Minimal Motion Computer Access System

Vendor: Equal Access Computer Technology, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $300.00 (software)

The Minimal Motion Computer Access System is designed for users who can press four or more keys but have difficulty with the full-sized standard keyboard. The user types letters by pressing combinations of keys (chords) on the standard computer keyboard; no additional hardware is required. The user can customize the system for use with whatever group of keys on the keyboard is most comfortable. The system for learning and remembering chords uses an on-screen visual guide and feedback so that novices can begin using the system without having to learn the chords first. The Minimal Motion system lets the user type any key, or accomplish mouse functions, so any standard software on the computer can be operated.

The Minimal Motion Computer Access System usually uses selected keys on the standard keyboard; special chordic switch input devices are available. Contact the manufacturer for further information.

Product Name: Morse Code WSKE II

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $695.00 - $1,395.00

Morse Code WSKE (Words+ Software Keyboard Emulator) II is a RAM-resident program that allows an IBM-compatible computer to be used as an integrated augmentative communication/computer access system for one- or two-switch Morse code users. The system provides dual word prediction, abbreviation expansion, automatic word endings, punctuation spacing, and capitalization, and voice output capability. The system runs transparently with applications software, including some graphics software.

The Bank Street Writer word processor program is included with Morse Code WSKE. The voice output option ($1,395.00) will work with most serial port text-to-speech speech synthesizers or SmoothTalker (extra). The No Voice option ($695.00) permits the program to be used without voice.

Product Name: Morsek Version 1.1

Vendor: Kinetic Designs, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $130.00

Morsek is emulating software which uses switch input to emulates the standard and enhanced keyboard input for IBM PC/XT/AT and true compatibles, including laptops. Morsek runs through the serial or parallel port and can use one to three switches to run Morse code in timed or untimed modes. Definable options are variable speed cursor movement, key repeat, super key mode, and debounce delays. Morsek can also be run using the keyboard as a "switch."

A hard disk is recommended for running Morsek, particularly if the user has severe disabilities.

Product Name: Mouse Keys

Vendor: World Communications

Computer: IBM PC Family

Cost: $395.00

Mouse Keys is a software program which allows the mouse to emulate keyboard input. The program provides the user with a visual on-screen keyboard which has all the functions of the standard keyboard. The user makes keyboard selections by using the mouse cursor to activate keys on the visual keyboard. Mouse Keys can also be operated using a remote headpointing device. Mouse Keys features a word prediction function and an auto select keys option.

The program requires Microsoft Windows and an IBM PC or PS/2.

No Photograph Available

Product Name: Mouse-Trak

Vendor: ITAC Systems, Inc.

Computer: Apple Macintosh Family,
IBM PC Family, IBM PS/2 Family,
Sun Microsystems SPARCstation

Size: 7.93" x 4" x 2.25"

Cost: Contact manufacturer

Mouse-Trak is a trackball designed to replace the standard mouse and reduce fatigue and stress associated with extensive mouse usage. The device features an integral padded area to support the hand while allowing the fingertips to reach and manipulate the ball and three input keys. The keys are user-definable and the cursor velocity can be changed through a built-in control button. Mouse-Trak comes with all necessary cables.

Two models are available; Professional and Industrial. Both have the above features but the Industrial model features a stronger case, enhanced moisture resistance and debris tolerance, and a shielded cable with additional strength.

No Photograph Available

Product Name: MouseMan Cordless

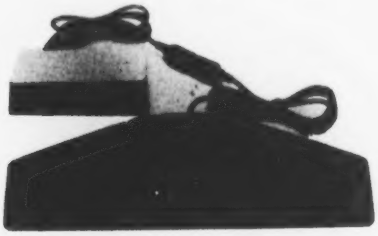
Vendor: Logitech, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

MouseMan Cordless is an ergonomically designed cordless mouse. The device is a radio mouse that transmits cursor positions to a receiver attached to the computer. The mouse transmits through other objects and has a range of up to six feet. The receiver plugs into the serial or mouse port of the computer and all installation software is included.

DOS 3.3 or higher is required.



Product Name: MouseMover - Mac (5005)

Vendor: TASH, Inc.

Computer: Apple Macintosh Family

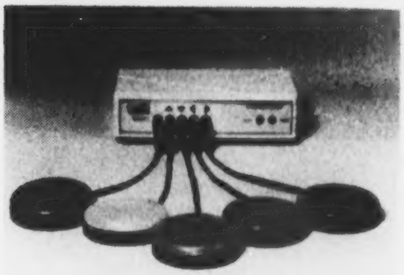
Size: 6" x 3.5" x 1.5"

Weight: 7.8 oz.

Cost: $275.00

MouseMover - Mac is a device that allows a set of switches to be used in place of a mouse for input to a Macintosh computer. Five input switches are used to produce up, down, left and right cursor movement plus mouse button action. A latching feature is provided to reproduce mouse movement with the mouse button held down ("dragging"). This latching is activated by holding down the mouse button switch for a certain (adjustable) length of time. The speed of cursor movement with the MouseMover goes in two stages. The initial speed when a switch is activated is fixed and slow. After a one second delay the speed increases to a higher value, the magnitude of which is adjustable. The MouseMover plus on-screen keyboard software will also serve in place of the standard keyboard. Special software presents an on-screen image of the keyboard. The user moves the mouse cursor to the desired key and clicks the mouse button in order to "type" that key.

MouseMover is designed to substitute transparently for the mouse, providing access to standard software on all Macintosh computers with an ADB connection.



Product Name: MouseMover - PC Windows (5004)

Vendor: TASH, Inc.

Computer: IBM PC Family

Cost: $275.00

MouseMover allows the user to control mouse movement and function through five single switches (not included). The hit of each switch delivers a specific mouse function: click, double click, press and hold, release, and all mouse directional movements on screen. The device plugs directly into the serial port on an IBM or compatible computer.

A Microsoft Mouse Driver is required.

No Photograph Available

Product Name: MousePen

Vendor: Appoint

Computer: Apple Macintosh Family,
IBM PC Family, IBM PS/2 Family

Cost: $79.00 - $90.00

MousePen is a cursor control device which is the approximate shape and size of a traditional writing pen. The click button is located on the shaft of the device.

There are several models are available. The MousePen Pro PC is compatible with the standard Microsoft serial and IBM PS/2 mice; the MousePen Pro Portable is designed to work on a variety of surfaces for situations where "mousing" space is limited. Both IBM versions come with the MousePen with PS/2 connector, adapter for DB9 or DB25 serial ports, Microsoft compatible mouse driver with installation program, Menu Maker for using MousePen with non-mouse applications, 3.5" and 5.25" disks, and user manual. MousePen PC comes with a pen holder; MousePen Portable comes with a carrying case. The MousePen Mac, which is compatible with any Apple system using the Apple Desktop Bus (ADB) interface, has a second button that allows cursor velocity to be changed without invoking the control panel. A user manual and pen holder are also included.

Product Name: MouseStick II

Vendor: Advanced Gravis Computer Technology Ltd.

Computer: Apple Macintosh SE/II

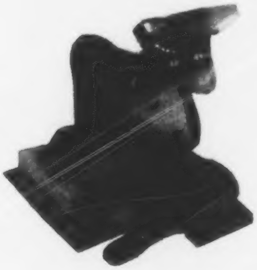
Size: Contact manufacturer

Weight: 2.4 lbs.

Cost: $69.95

The MouseStick is a joystick that can be used in place of a mouse to move the cursor on the screen. The joystick can also be configured by the user to provide customized response for a variety of software programs. The joystick has five buttons, three on the handle and two on the base; each button responds to a single, double, or triple click. Customized settings can be saved, and designated settings can be automatically loaded when the software package is loaded.

MouseStick works with Macintosh computers which have ADB ports.



Product Name: Mouth Operated Joystick for Genesis Video Game

Vendor: KY Enterprises

Size: 4" x 4"

Weight: 1 lb.

Cost: $109.00

The Mouth Operated Joystick for Genesis provides an alternate input method to the video game system. A lever switch is used to start and reset the games. The joystick is moved with the mouth. Button A is operated with a puff and Button B is operated with a sip. Two controllers are provided on the same plug: the Mouth Operated Joystick and a regular hand controller, allowing for team play.

Head movement is required to operate this joystick. Video tape available for $10.00.

Product Name: Muppet Learning Keys

Vendor: Sunburst Communications, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC jr,
IBM PS/2 Family

Cost: $129.00 - $199.00

Muppet Learning Keys is an expanded membrane keyboard for Apple II, IBM PC jr/PS2, and Macintosh computers. The keyboard's 83 keys are covered with color cartoons of Jim Henson's Muppets characters illustrating the various functions of the keys.

Muppet Learning Keys is not equivalent to a standard keyboard but must be used with some program that defines a meaning for each key or group of keys. The program provided with the keyboard uses color animated graphics and music to teach letters, numbers, and colors. Some other programs available which use the Muppet Keys are the PEAL Series (PEAL Software) and the Muppet Slate (Sunburst Communications). Contact Sunburst about other programs available or in development. The Apple II and IBM models are $129.00; the Macintosh version is $199.00.

No Photograph Available

Product Name: My First Keyboard

Vendor: Kidtech, Inc.

Computer: IBM PC Family

Cost: $69.95 - $99.00

My First Keyboard is a 55-key computer keyboard designed for young children. The keyboard features keys that are bigger than normal, colorful, and in alphabetical order. The keyboard is designed to be rugged, spill proof, and prevent the child from harming the computer. Also, only one response per touch prevents keys from being repeated if the user leans on the keyboard. A standard keyboard plugs directly into the My First Keyboard and a switch allows for toggling from one to the other.

Package includes the keyboard, an extension cable, PS-2 adapters, instructions, and an educational software package.

Product Name: My-T-Mouse

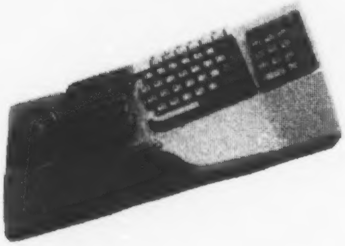
Vendor: Innovation Management Group, Inc.

Computer: IBM PC Family

Cost: $49.95 - $199.95

My-T-Mouse is a keyboard interface program designed to allow a mouse or any other pointing device (including Trackballs, Pens, Touchscreens, Joysticks, Puffing Devices, Head Mice, InfraRed, and switches) to operate within Microsoft Windows without, or as an addition to, a keyboard. The software contains five different U.S. (ABCD, QWERTY, Dvorak, etc.) and 20 international keyboards, which appear on the screen in a "Heads-Up" format. An unlimited number of user-defined macro buttons can be created that store keystroke sequences to single buttons. These macro functions also allow applications to be launched by them or the application may be set to auto-open the Macro Panels associated with it. The program also features a four functions calculator with memory and savable pop-up calculator tape. More than 125 distinct functions are available, including a magnifier which enhances viewing of the area under the cursor. My-T-Mouse features 11 different screen sizes.

My-T-Mouse currently works with Windows 3.0 and 3.1, Windows for Workgroups 3.11, and Windows 95. Other operating systems are in development; contact manufacturer for further details.



Product Name: MyKey

Vendor: ErgonomiXX, Inc.

Computer: Apple Macintosh Family, IBM-PC XT, IBM PC AT, IBM PS/2 Family

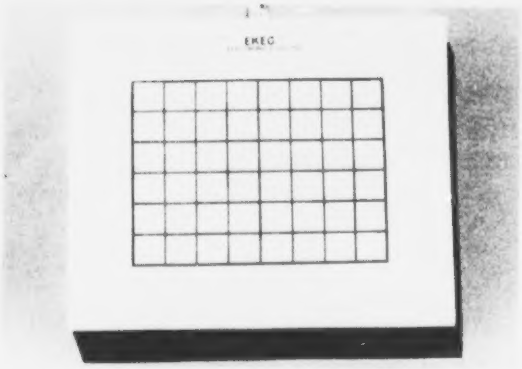
Size: 20.5" x 9.17" x 3.05"

Weight: 5 lbs.

Cost: $275.00

MyKey is a computer keyboard and trackball combination designed to minimize stresses that lead up to Repetitive Strain Injuries (RSI). MyKey features a v-shaped design with a center-peak and front and rear elevators. Large palm-rests and function keys placed in a circular form are also featured. The center-point trackball and dual spacebars function with the thumbs moving towards the fingers in a grasping motion. The keyboard is designed to fit into under-the-counter computer trays.

MyKey is compatible with IBM compatible computers running under DOS, Microsoft Windows, OS2, and Windows 95 operating systems and with Apple computers.



Product Name: Narwhal Expanded Keyboards for Adaptive Firmware Card

Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIGS, Apple IIe

Size: 10" - 12" x 12" - 20" x 1"

Weight: 1 - 2 lbs.

Cost: $200.00 - $350.00

Expanded Keyboards for Use with the Adaptive Firmware Cards are alternate keyboards designed for use with the Trace Center's Talking BlissApple program. Unlike EKEG's other keyboards for the BlissApple program, these do not contain a microprocessor, but must be used with an Apple II+ or IIe equipped with an Adaptive Firmware Card (see entry).

Four models of these Expanded Keyboards are available, one with 48 1" squares, one with 48 1.25" squares, one with 128 1" squares, and one with 128 1.25" squares. Keyguards are available for all these boards, ranging in cost according to model.

No Photograph Available

Product Name: Nintendo & Super Nintendo Joystick Module

Vendor: Toys for Special Children, Inc.

Computer: Nintendo

Cost: $90.00 - $95.00

The Nintendo & Super Nintendo Joystick Module allows individuals with physical limitations to play the popular video games. A joystick module is available for Nintendo at $95.00 and for Super Nintendo at $90.00. An interface module is also available without the joystick but with jacks for up to 8 external capability switches for $90.00.

Product Name: NoMouse

Vendor: Abacus

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $49.95

NoMouse is a software program designed to emulate the functions of the mouse in a Microsoft Windows environment. The program utilizes the four cursor keys to perform mouse functions. By using the cursor keys the user directs an oversize pointer anywhere on the computer screen. A configuration screen allows the user to adjust the program's settings, including tracking speed and acceleration. The user can also designate hot keys and a "home" screen position for the NoMouse pointer. The NoMouse program can be used in conjunction with the standard mouse and any Microsoft Windows applications.

Product Name: OfficeTALK for Windows

Vendor: Kolvox Communications

Computer: IBM PC Family

Cost: Contact manufacturer

OfficeTALK for Windows is a speech recognition system that enables the user to command and control any Microsoft Windows application by voice. The user can dictate and edit documents as well as perform such commands as "create" and "print." Trained users can dictate between 70 and 90 words per minute and speed increases as the program adapts to the user's voice. OfficeTALK features a 200,000-word dictionary and a 30,000 or 60,000-word active vocabulary. Recognition rates are greater than 95 percent.

Product Name: One Access

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $300.00

One Access is a keyboard emulator that allows a person to access the functions of the computer keyboard with a single switch. The program puts an array of choices on the screen and the user selects by scanning the choices with the switch. Selecting a letter, number or other character in this way is equivalent to typing it on the computer keyboard, so the user can operate any standard software on the computer. The program has a word prediction feature.

One Access can be purchased separately or is available as part of the Handy Speech Communication Aide (see entry). A switch is not included.

Product Name: One-Hand Operated Joystick for Genesis Video Game

Vendor: KY Enterprises

Size: 4" x 4"

Weight: 1 lb.

Cost: $109.00

One-Hand Operated Joystick for Genesis is an alternative input device for Genesis systems. The device is a joystick with a sip and puff switch mounted on a base that can be secured to a table. Specify right or left hand model when ordering. A video tape is available for $10.00.

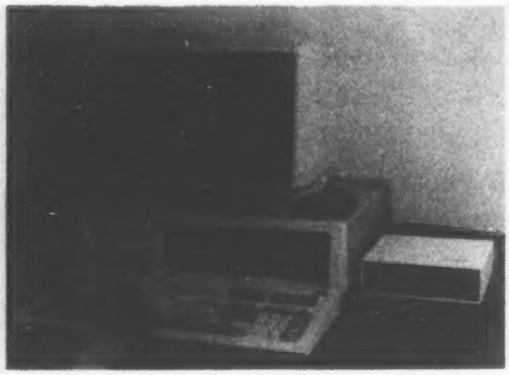
Product Name: OneStrk

Vendor: E. David & Associates

Computer: IBM PC Family

Cost: $19.95

OneStrk is a program that allows complete keyboard input using just one key on the keyboard. Typically the space bar would be selected. OneStrk puts an array of characters on the screen representing the keys on the keyboard, and the user presses the one key to scan through the choices and select a key. Selecting a key in this manner is equivalent to pressing it on the standard keyboard; thus, standard software that uses the keyboard for input can be controlled using OneStrk. OneStrk can be set up to load automatically when the computer is turned on. It can be temporarily shut off for people who don't need it.



Product Name: Optimouse

Vendor: ISCAN, Inc.

Computer: IBM PC Family

Size: 5.75" x .5" diameter (pointer)

Weight: 2 oz. (pointer)

Cost: $995.00

Optimouse is a light pen that functions as an alternative mouse. The system consists of a video sensor that plugs into the computer, an image processing card that fits inside the computer, and a hand-held pointer. The pointer is directed towards the computer screen, and is used to move the cursor around on the screen. A reflective spot (extra), which may be affixed to any moveable body part, may be used instead of the hand-held pointer. Mouse button function is emulated by pressing a button on the side of the pointer.

Product Name: OsCaR

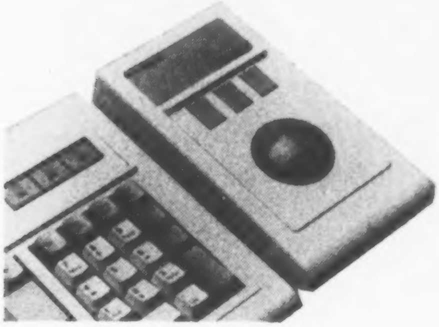
Vendor: TeleSensory Corporation

Computer: IBM PC AT, IBM PS/2 Models 50/60, IBM PS/2 Models 70/80

Cost: $2,495.00 - $2,840.00

OsCaR is an optical character recognition (OCR) system that scans typewritten or printed documents and imports the information to a computer text file, which can be read, edited, and saved for later use. The system recognizes text from 6 to 72 points in size, and in type styles such as underlined, boldface, italic, and headline. Text to be scanned can be oriented either vertically (portrait) or horizontally (landscape) on the page. OsCaR has been designed to work with TeleSensory devices such as PowerBraille, Vista, VersaPoint, and the ScreenPower line of screen access hardware and software, and can produce files (including grade 2 Braille) for direct use with these devices.

OsCaR works with 386 & 486 PC's, and uses the OmniPAGE OCR package (from Caere Recognition Systems) to recognize text. The package includes: OsCaR, software, Hewlett Packard ScanJet3p and ScanJet interface card, and OCR software from Caere. A package including Duxbury Braille translation software (see entry) is also available. Contact manufacturer for further price and feature information.



Product Name: PC-TRAC

Vendor: Microspeed Inc.

Computer: IBM PC Family, IBM PS/2 Family, Toshiba Laptops

Size: 3.75" x 6.75" x 1.75"

Weight: 12 oz.

Cost: $119.00 - $159.00

PC-TRAC is a trackball and three buttons contained in a small case. The user moves the trackball manually to emulate mouse cursor control. The left and right buttons, which surround the trackball, emulate the "click" button on the standard mouse. The center button, located above the trackball, toggles the "drag lock" feature that produces a similar effect to holding down the button on a standard mouse; the drag lock eliminates the requirement that a button be held down. The trackball case has a sloped panel that may be used as a wrist rest.

PC-TRAC is available in three models: a serial version that can be plugged into the COM1 or COM2 port ($119.00), a bus version that can be plugged into any empty expansion slot ($159.00), and a PS/2 mouse port-compatible version ($119.00).

No Photograph Available

Product Name: Pen Style Mouse

Vendor: A4 Tech (USA) Corporation

Computer: IBM PC Family

Cost: $17.50

Pen Style Mouse is designed to replace the standard mouse on computer systems. The Pen Style is held upright in the hand and mouse buttons are located on top of the device.

ADVANCED INPUT DEVICES

Product Name: PKD 84 and 101

Vendor: Advanced Input Devices

Computer: IBM PC Family, IBM PS/2 Family

Size: 17.63" x 7.5" x 1.25"

Cost: $250.00 - $275.00

The PKD 84 and 101 are IBM compatible flat panel keyboards that use a sealed, printed graphic overlay to replace keys and metal dome switch technology to replace key switches. The PKD 84 is compatible with IBM AT computers; the PKD 101 is compatible with IBM-PC, XT, AT and PS/2 computers.

Contact manufacturer about custom design of keyboards with electrical, mechanical, or graphics options.

No Photograph Available

Product Name: PortaPoint

Vendor: Interlink Electronics

Computer: IBM PC Family

Cost: Contact manufacturer

PortaPoint is a computer pointing device and finger-tip controlled mouse. Gentle pressure on the button moves the cursor. The device can be used on a desktop with the included cradle, with a portable computer, or as a hand-held pointing device. A serial interface cable, PS/2 adapter, 4 foot extension cable, and a 3.5" VersaPOint DOS and Windows driver diskette are included.

System requirements include a serial port or PS/2 mouse port, MS-DOS 2.0 or newer, and 640K memory. The PortaPoint is also fully compatible with Microsoft Windows.

Product Name: PowerKey Software for IBM

Vendor: Dunamis, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $99.95

PowerKey Software for IBM allows standard IBM software programs to run directly from the PowerPad (see entry). Using PowerKey, the user can also design SetUps by defining single or multiple keystrokes. PowerKey includes a 12x12 grid on which overlays can be created; each square can be defined in relation to the surface of the PowerPad.

Product Name: PowerPad

Vendor: Dunamis, Inc.

Computer: Apple II+, Apple IIGS, Apple IIe, Atari 400, Atari 800, Commodore 128, Commodore 64, IBM PC Family

Size: 17" x 19" x 1.5"

Weight: 4.5 lbs.

Cost: $229.95

PowerPad is a flexible alternate computer input consisting of a grid of 14,400 microswitches covered with a 12" x 12" plastic pad. Depending upon the program used, the surface of the PowerPad can be divided up many ways yielding different sized activation areas. Overlays can then be custom designed to indicate what each "key" on the PowerPad signifies in that program's configuration.

PowerPad connects to the game port of most computers. Many programs have been developed for the PowerPad which are useful for augmentative communication or for rehabilitation training and education. PowerPad Tool Kit Software, a ProDOS authoring program for designing customized PowerPad applications, is available for $69.95. PowerKey, a software program that permits the PowerPad to be combined with the Adaptive Firmware Card (see entry) and used as an input device for most Apple software, is available for $99.95. Contact the manufacturer for more information on available software.

Product Name: PowerPad Starter Kit

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $279.95

PowerPad Starter Kit is a set of materials for getting started setting up a PowerPad keyboard (see separate entry). The kit includes the PowerPad, cabling, and special software for programming the PowerPad to work as a keyboard or with particular software. The Starter Kit software provides an image of the PowerPad on the computer screen, and the user can type in the desired values for each of the 144 pressure-sensitive areas on the PowerPad.

Product Name: PowerSecretary

Vendor: Articulate Systems, Inc.

Computer: Apple Macintosh Family

Cost: $2,495.00

PowerSecretary is a voice input system for the Macintosh computer. PowerSecretary allows users to freely dictate words at speeds up to 50 words a minute into applications ranging from word processors to industry specific applications. The system is a speaker-adaptive, large vocabulary discrete recognition program with a 120,000 word dictionary for spell checking.

PowerSecretary requires a 68040 class Macintosh, a 16 bit sound input card, 20 MB, hard disk with 25 MB free, microphone, and system 7.0 or greater.

Product Name: Pre-Dict-ate

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $395.00

Pre-Dict-ate is a voice input system integrated with word prediction software. The user trains the system to recognize spoken keywords. When a word that stands for a letter (such as "Juliet" for "J") is spoken, the letter appears on the screen and a list of words beginning with that letter appears. The user can either select a word from the list with a voice command or "type" a second letter, which will bring up a list of words beginning with the two letters typed. The program automatically adjusts the word lists to correspond to the particular user's most common word usage. Pre-Dict-ate allows the user to type text or commands in any software running on the computer (word processing, spreadsheet, communications, etc.). Letter-by-letter spelling does not have to be used; the system can also be trained to recognize whole words. Multiple users can each have their own voice files, so that the system will recognize each of the user's voices.

No Photograph Available

Product Name: ProPoint

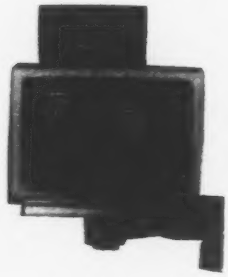
Vendor: Interlink Electronics

Computer: IBM PC Family, IBM PS/2 Family

Cost: Contact manufacturer

ProPoint is a hand held mouse emulator. It requires no hand or arm movement, is equally usable by both left and right-handed users, and is shaped to fit nearly any hand size. Soft pressure on ProPoint's button gives precise control of the cursor and harder pressure gives faster movement. ProPoint comes with a VersaPoint Windows driver to optimize operation to personal preference.

System requirements are serial port or PS/2 mouse port, MS-DOS 2.0 or newer, 640K memory, and full Microsoft Windows compatibility.



Product Name: Proportional Keystroke Scanner

Vendor: Ability Systems Corporation

Computer: IBM PC Family, IBM PS/2 Models 25/30, IBM PS/2 Models 50/60

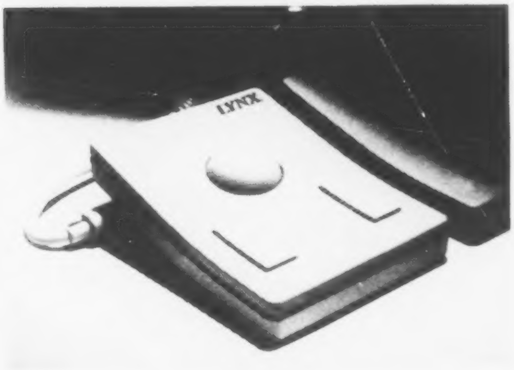
Size: 4" x 8" x 8"

Weight: 4 lbs.

Cost: $2,850.00

Proportional Keystroke Scanner is a input device operated by scanning characters at a rate that is proportional to the air pressure the user applies to the puff tube. The system consists of a display module with all the characters of the keyboard on it and an input system that may be controlled by a sip and puff device. The user's current position is indicated by one of the characters being lit up on the display. Each of the four rows of characters can be scanned horizontally by sipping, and the scanning rate is controlled by the amount of force applied by the user's sipping. The user slows down when in the vicinity of the correct character, and stops sipping when it is reached. Characters are selected by puffing gently; they then appear on the computer screen. The user sips sharply to change rows on the display panel, or puffs and holds to repeat the previous selection. The system attaches to the computer by means of the computer's industry-standard RS-232 communications port.

The price listed above includes the sip and puff device and "Abilitywrite" driver software. Available options include a telephone switch hook control module.



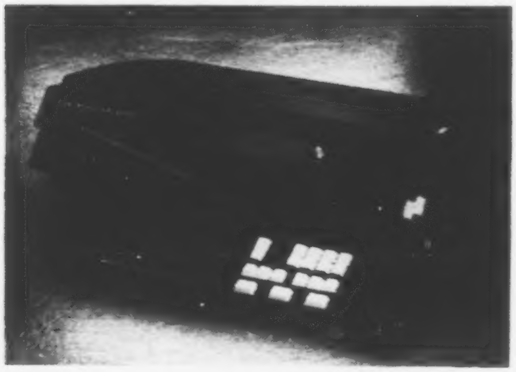
Product Name: QUADLynx Trackball

Vendor: Asher Engineering Corporation

Computer: Apple IIc, Apple IIe,
Apple Macintosh Plus

Cost: $99.95

The QUADLynx Trackball plugs directly into the mouse port of the Apple II or Macintosh and handles all software just as the mouse would. The trackball is set in a stationary base, and is designed for precise cursor manipulation, versatility and ease-of-use. The design also reduces the accumulation of dust.



Product Name: Reading Edge

Vendor: Xerox Imaging Systems, Inc.

Computer: All (Hardware Independent)

Size: 7.5" x 19.5" x 15"

Weight: 24 lbs.

Power Source: 120V AC

Cost: $5,495.00

Reading Edge is a optical character recognition (OCR) reading machine with voice output. The user places a piece of printed text on the surface of the device, which scans an image of the page and recognizes the characters (letters, numbers, etc.). The Reading Edge reads the material back to the user in a synthesized voice as it is scanned. Almost any type face or size can be recognized, and multiple columns can be read correctly. Bold and italicized print can be spoken in a different voice. An automatic page orientation feature adjusts for pages which are upside down. The surface of the scanner slants at a 15 degree angle to hold open books more securely. The Reading Edge can recognize different languages, using different memory cards which can be inserted into the device. Scanned documents are saved in the device's memory, and can be edited using built-in braille-style keypad. Documents can also be transferred to a computer through a serial port.

Carrying case and automatic document feeder are options.

Product Name: Remote Keyboard for the Apple II+ and IIe

Vendor: EKEG Electronics Company LTD

Computer: Apple II+, Apple IIe

Size: 15" x 8" x 3"

Weight: 3 lbs.

Cost: $750.00

Remote Keyboards for the Apple II+ and IIe are alternate keyboards for these computers that are modified to allow operation with one hand, stylus, headstick, or mouthstick. Size and layout of keys are exactly the same as the standard Apple keyboards, but several features have been added. SHIFT and CONTROL keys are latching, repeat time is adjustable for the II+ version, and can be extended up to five seconds, and a special joystick that can be operated by headstick or mouthstick has been added, allowing the user access to graphics programs that require a joystick.

Remote Keyboards for the Apple II+ and IIe send the same output to the computer as their standard counterparts, and plug into the keyboard and game paddle sockets. They are mounted on brackets that allow raising, lowering, and tilting.

No Photograph Available

Product Name: RemotePoint

Vendor: Interlink Electronics

Computer: Apple Macintosh Family, IBM PC Family

Size: 1.76" x 5.34" x 1.4"

Cost: Contact manufacturer

RemotePoint is a wireless, finger-tip controlled mouse that can complete point and click mouse functions from up to 40 feet away from the computer. RemotePoint features pressure-pointing technology that gives cursor control by applying minimal pressure in the direction of desired movement. Am IBM compatible version and a Macintosh compatible version are available.

Product Name: RevolvingDoors

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $395.00 - $695.00

RevolvingDoors is a single switch scanning program for controlling a Macintosh computer. The program allows the user to type any keyboard key or make any mouse movement using a single switch. An on-screen symbol scans through a series of options for controlling the mouse cursor. Any function that is performed by the mouse such as moving, clicking and dragging can be selected. An accompanying on-screen keyboard provides access to keyboard keys through scanning and also presents predictive lists of words for the user to choose from while typing. Scanning features include automatic snapping to "action regions" (such as the close box on a window), intelligent menu scanning, and adjustable scan speeds.

RevolvingDoors requires a switch interface. With a switch interface the cost is $695.00, the software alone is $395.00.

Product Name: Scanning WSKE II

Vendor: Words+, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $695.00 - $1,395.00

Scanning WSKE (Words+ Software Keyboard Emulator) II is a RAM-resident program that allows an IBM-compatible computer to be used as an integrated augmentative communication/computer access system for single switch scanning users. The system provides dual word prediction, abbreviation expansion, automatic word endings, punctuation spacing, and capitalization, and voice output capability. A One Line Scan option permits the scanning window to be reduced to a single line so that only the row being scanned is displayed. The system runs transparently with applications software, including some graphics programs.

The Bank Street Writer word processor program is included with Scanning WSKE. The voice output option ($1,395.00) will work with most serial port text-to-speech speech synthesizers or SmoothTalker (extra). A No Voice option ($695.00) permits the program to be run without voice output.

No Photograph Available

Product Name: ScottBridge Speech Access System

Vendor: ScottBridge, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: Contact manufacturer

ScottBridge Speech Access System is a speech recognition system that consists of three basic components. The first component is an Accessor, a CPU unit with DragonDictate 3 installed. The second component is a Total Access Port (TAP) that provides a standardized connection between the accessor and the keyboard and mouse functions of the host computer. The third component is a Sound and Voice Interface (SAVI) that resides in the accessor and translates user input into the standard format recognized by the TAP and provides various user-support functions. ScottBridge operates independently of the host computer and does not affect the speed of the computer or interfere with existing hardware.

ScottBridge works with IBM compatible PCs, Silicon Graphics workstations, Sun Microsystem workstations, the Apple Macintosh, and mainframe computers.

Product Name: ScreenDoors

Vendor: Prentke Romich Company

Computer: Apple Macintosh Family

Cost: $425.00

ScreenDoors is an on-screen keyboard application that runs with most Macintosh applications under MultiFinder. The program puts a graphic of a keyboard on the monitor's screen, which then can be activated with a mouse or mouse emulator, such as HeadMaster or TouchWindow (see entries). ScreenDoors features word prediction linked to a dynamic learning dictionary. Multiple topical dictionaries are supported.

ScreenDoors requires System 6.03 or newer, MultiFinder, and 2MB RAM.

No Photograph Available

Product Name: Select-Ease Keyboard

Vendor: Lexmark International, Inc.

Computer: IBM PC Family

Cost: $179.00

The Select-Ease Keyboard is an ergonomic keyboard featuring a tilted, split keyboard which the user can shape into a number of different positions. A QWERTY keyboard layout is standard and the backspace key has been moved to right next to the spacebar.

A separate number pad is available for $20.00.

Product Name: Serial Trackball and PS/2 Trackball

Vendor: ProHance Technologies, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Size: 6.2" x 4.2" x .14"

Weight: 10.6 oz.

Cost: $79.95 - $99.95

The Serial Trackball and PS/2 Trackball are trackballs designed so that the trackball can be moved using the thumb. Three buttons are located above and to the right of the ball. The devices have three speed ranges with resolutions varying from 50 to 800 dots per inch. The Serial model is capable of emulating both the two-button Microsoft Mouse and the three-button PC Mouse, and automatically invokes one of these modes based on the current configuration of the user's system. The PS/2 model emulates the IBM PS/2 standard mouse. Both trackballs come with 14 drivers, allowing them to work with non-mouse software such as WordPerfect and Lotus 1-2-3. A program to build pop-up menus, allowing mouse support to other non-mouse software, is also included.

The Serial Trackball ($79.95) and PS/2 Trackball ($99.95) are compatible with the IBM PC and PS/2 families of computers, respectively. Both models plug into the RS-232 serial port on the computer. A 9-pin to 25-pin adapter for this port is included with both models.

Product Name: SofType

Vendor: Access Technology

Computer: IBM PC Family

Cost: Contact manufacturer

SofType is a software program that provides an on-screen, graphical keyboard that works with any alternative input device that provides mouse control for Microsoft Windows. Each of the three versions features a dwell mode that allows keys to be automatically selected when the cursor stays on the key for a specified period of time, custom keyboards, a key repeat feature, and variable key sizing.

SofType Pro has all of the above features plus scanning for single switch input and a "run" feature that provides a shortcut to starting applications. SofType Elite has all of the basic and Pro features plus word prediction and a Dragger Bar that emulates click and drag, double click, and right click with a single click. All three require the following: 386 IBM compatible computer or better, 2 MB RAM, 3.5" disk drive, mouse or an input device that emulates a mouse, and Microsoft Windows.

Product Name: Speak Out VOILA

Vendor: VOILA Technology, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

Speak Out VOILA is a combination voice recognition input and synthesized voice output system with large print. The system has three main components. The Natural Language Interface allows the computer to accept logical voice phrases to execute commands. The Natural Response Interface provides the user with a natural response to their command. The Utterance Confirmation provides audio feedback of what the computer heard and eliminates the need to see a monitor.

Contact manufacturer for pricing information and system requirements.

No Photograph Available

Product Name: Speech Recognition Systems

Vendor: Voice Recognition Technologies

Computer: All (Hardware Independent)

Cost: Contact manufacturer

Voice Recognition Technologies (VRT) is a turn key provider of speech recognition systems. Each system is customized to the user's particular needs. VRT adapts any speech recognition product to any software package and provides complete hardware solutions and support. Contact the manufacturer for further information.

No Photograph Available

Product Name: Stingray

Vendor: CoStar Corporation

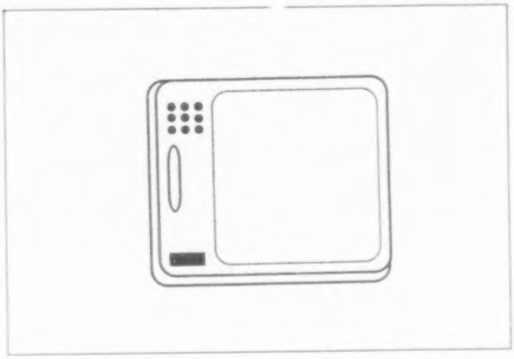
Computer: Apple Macintosh Family

Size: 3.63" x 5" x 1.38"

Cost: $99.95

Stingray is a trackball designed to replace the standard mouse. The device features a small ball with large buttons that insure that the user's hand is resting on a button at all times. The buttons have a light tactile touch and can each be set as "click" or "click-lock" buttons. Other features include a pass through ADB port so the user can connect another ADB device to it and a special control panel that allows speed settings to be set up with different programs.

Stingray is available in platinum or black.



Product Name: Switch Modified PowerPad

Vendor: Creative Communicating

Cost: $350.00

The Switch Modified PowerPad is a Dunamis PowerPad (see entry) with a bank of nine miniature plugs corresponding to the nine location areas on the PowerPad surface. Available with a new PowerPad or can be added to a user furnished PowerPad. Contact the manufacturer for shipping and price information.

Product Name: Switch-Adapted Mouse (SAM)

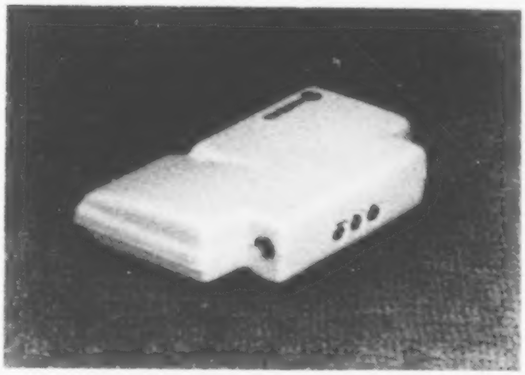
Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family, IBM PC Family

Cost: $120.00

The Switch-Adapted Mouse is a trackball with inputs for up to three single switches. SAM allows for operation of special software that can be operated by a mouseclick, lets computer activity become a cooperative effort by having one user move the mouse and the other click via a switch, and allows a person with hand control, but not finger control, to move the mouse and click it with another part of the body.

SAM is available with a 9-pin serial or PS/2 round connector for PC use.



Product Name: Switch-Back

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Size: 1.3" x 6.2" x 4"

Weight: 8 oz.

Cost: $395.00

Switch-Back is a switch interface which connects simple switches to an Apple Macintosh computer that has Desktop Bus firmware. The device accepts from one to six switches and may be connected anywhere on the Apple Desktop Bus (ADB). Switches are plugged into stereo jacks in the back of Switch-Back. When a switch is activated the computer thinks a function key on the keyboard has been pushed. Software tasks can be assigned to function keys F10 - F15 for switches 1 - 6; pressing the switch will activate the specific function. Possible applications include remote on/off and computer logging of phone calls. Such applications can be set up by connecting external input switches to the computer and customizing desired functions using macro programs.

The Switch-Back device comes with an ABD cable and documentation. ABD firmware and input switches are not included.

Product Name: SwitchMouse

Vendor: OMS Development

Computer: IBM PC Family, IBM PS/2 Family

Cost: $150.00

SwitchMouse is a switch-controlled mouse emulator for use with Microsoft Windows. Users can use one or two ability switches, an Atari-style joystick, or an IBM-style joystick attached to a serial or parallel port to move the Windows mouse cursor, click and drag. The program provides multiple scanning modes for selection of mouse direction. SwitchMouse can be interfaced to the EEK program (see separate entry) to allow text entry by directed scanning. The program is supplied with one switch adapter (specify serial or parallel); switch is not included.

Product Name: SynergyMac and SynergyPC

Vendor: Synergy

Computer: Apple Macintosh Family, IBM PC Family

Cost: Contact manufacturer

SynergyMac and SynergyPC are portable systems designed to be mounted to a wheelchair and are user customized based on specific needs. The systems are designed to be rugged and water resistant. Available options include: a unified access method for multiple functions, speech synthesizer and speech output software, environmental control, wireless connection to a desktop computer and/or printer, portable access to standard computer software, internal CD ROM, internal fax modem. The same options are also available on a SynergyMac Carry that is designed to be carried, rather than mounted.

Product Name: TouchWindow

Vendor: Edmark Corporation

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

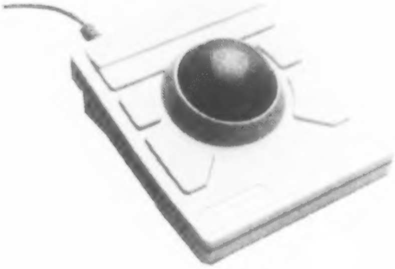
Size: 8.5" x 11"

Cost: $275.00 - $350.00

TouchWindow is a transparent plastic screen that fits over a computer monitor. When TouchWindow is used with compatible software, touching the screen with finger, stylus, etc. will generate input to the computer. Selection of commands, composition of graphics, and other functions can be performed. Pressure activates only the pixel at the very center of the area touched. TouchWindow can be removed from the monitor and used like a graphics tablet.

Software produced by the manufacturer for use with TouchWindow includes programs for word processing, spread sheets, management information systems, recreation, education, and writing customized programs. Software has also been written for TouchWindow by other companies. Contact the manufacturer for details. Talking TouchWindow, an authoring program for creating TouchWindow applications, is available for $79.95. TouchWindow models are available for Apple II, IBM, and Macintosh computers. The IBM version comes with mouse emulation software for use with mouse-compatible software.

477



Product Name: Trackball Pro

Vendor: CH Products

Computer: Apple Macintosh Family, Commodore Amiga, IBM PS/2 Family, Sun Microsystems SPARCstation

Cost: $119.95 - $179.95

Trackball Pro is a trackball and four buttons contained in a small box. The user moves the ball manually to emulate mouse functions. Each button activates an additional feature; these include a "click-lock" feature which allows dragging, scrolling, and drawing without holding a button down continously, a total left/right control, and multiple resolutions. The Macintosh version is programmable.

There are seven versions available for Amiga, Sun, Next, Serial, PS-2, and Bus, versions, and Macintosh computers; prices vary accordingly.

No Photograph Available

Product Name: TrackMan Live!

Vendor: Logitech, Inc.

Computer: IBM PC Family

Size: 1.2" x 6.4" x 2.4"

Weight: 4.27 oz.

Cost: Contact manufacturer

TrackMan Live! is a cordless trackball with a range of up to 30 feet. The device is designed to fit in the hand, with the thumb controlling the ball and the three differently sized buttons. The receiver plugs directly into the serial or mouse port of the computer.

System requirements include: DOS 3.3 or higher, Microsoft Windows, and an available serial or mouse port.

No Photograph Available

Product Name: TrackMan Voyager

Vendor: Logitech, Inc.

Computer: IBM PC Family

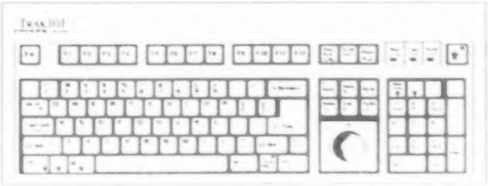
Size: 1.36" x 2.92" x 2.14"

Weight: 2.8 oz.

Cost: Contact manufacturer

TrackMan Voyager is a trackball designed for desktop and notebook computers. The device can be attached to notebook computers and doesn't have to be removed when the system is closed. A hard shell cover for the trackball is included.

System requirements include: DOS 3.3 or higher, available serial or mouse port, 3.5" floppy drive.



Product Name: Trak101 Keyboard

Vendor: Key Tronic

Computer: IBM PC Family

Size: 19" x 8.1" x 1.8"

Weight: 4 lbs., 7 oz.

Cost: $224.00

Trak101 is a keyboard with a standard 101-key, QWERTY layout and an integrated four-button trackball. Other features include customizable keyboard functions and a cursor ball key for switching between two modes of trackball operation: mouse control and cursor control.

Product Name: Turbo Mouse 4.0

Vendor: Kensington Microware Limited

Computer: Apple Macintosh Family

Size: 4.5" x 5.5" x 2.75"

Cost: $169.95

Turbo Mouse 4.0 consists of a trackball surrounded by a small box and custom software. The user moves the trackball manually to emulate mouse functions. Two "click" buttons are provided, so that the product may be optimally used by left- and right-handed users. The custom software allows the buttons of the trackball to be programmed to emulate specific mouse functions. Other features include a slow cursor, advanced acceleration, and customizeable application settings. Turbo Mouse requires less hand movement than a regular mouse, and the track ball requires minimal finger movement.

Turbo Mouse 4.0 works with System 6.05 or higher and has two ADB ports located in the back of the trackball.

No Photograph Available

Product Name: Turbo Trackball

Vendor: Asher Engineering Corporation

Computer: Apple IIGS, Apple IIe, Apple IIc,
Apple Macintosh Family

Cost: $99.95

The Turbo Trackball consists of a trackball encased in the center of a small box. The user moves the trackball to emulate mouse functions. Two buttons below the trackball allow the user to emulate the "click" function on the standard mouse and to provide a lock feature (so that, for example, a menu will stay held down without requiring the user to continually press a button).

The Turbo Trackball is available in three models. Model LX200-192-D1 is for Macintosh 512 and Plus models and Apple IIe and IIc; Model LX200-192-S1 is for Macintosh SE and II; and Model LX200-192-S3 is for Apple IIGS.

No Photograph Available

Product Name: Dual Channel Headset

Vendor: Maxi Aids, Inc.

Cost: $230.00

The Dual Channel Headseat allows the user to transmit and receive telephone conversations while using a standard dictation transcribing machine or a variety of voice output computer systems. Features include an adjustable voice tube and three step receiver volume control.

Product Name: EasyRiser

Vendor: Fox Bay Industries, Inc.

Computer: All (Hardware Independent)

Cost: $199.95

EasyRiser is a platform for computer users who must stand. The platform can raise the user up to four and a half inches higher. EasyRiser is designed to be large enough to move around on, strong enough to hold the user, and light enough to move from place to place.

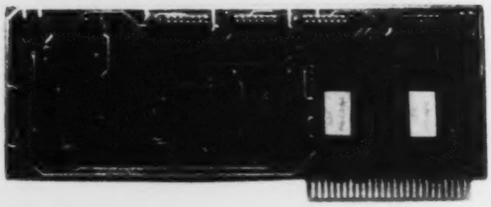
Product Name: Generation IV Adjustable Computer Tables

Vendor: Willow Pond Tools, Inc.

Computer: All (Hardware Independent)

Cost: $708.00 - $1,599.00

Generation IV Adjustable Computer Tables are a line of adaptable tables and accessories. Bilevel and single surface models in several sizes are available. Infills and side surfaces are also part of the Generation IV line to allow modification of a computer system for the user. A 14" height adjustment range is available. The tables are crank adjustable but can have an electric motor attached for $695.00.



Product Name: Governor (2464)

Vendor: TASH, Inc.

Computer: Apple II+, Apple IIe

Size: 8" x 3" x 0.5"

Weight: 5 oz.

Cost: $175.00

Governor is a speed control card to slow down computer games. Once the card is installed, the speed at which the various game functions run can be set by entering certain characters on the computer's keyboard. The Governor unit measures 8" x 3" x 0.5" and weighs 0.33 lbs.

Product Name: IntelliKeys Overlay Maker

Vendor: IntelliTools, Inc.

Computer: Apple II Family, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $69.95

IntelliKeys Overlay Maker is a software program for creating customized overlays for the IntelliKeys keyboard. Overlays can be customized for the user, the activity and the chosen software. The Macintosh version allows the user to draw the overlay on the screen and define the areas of the keyboard. The program will then print out the overlay and send all the appropriate set-up information to the IntelliKeys keyboard. The Apple II version has 20 pre-defined overlay layouts. IntelliKeys Overlay Maker comes with a library of more than 200 common Picture Communication Symbols (from Mayer-Johnson Company), plus assorted computer symbols.

Product Name: Ke:nx Easy Overlays

Vendor: Don Johnston Incorporated

Cost: $15.00 - $25.00

Ke:nx Easy Overlays are ready-to-go solutions for alternate access to popular children's software. The overlays can be used with Ke:nx, Ke:nx On:Board, and Key Largo alternate keyboards (see entries). Ke:nx Easy Overlays are available for a painting program called Kid Pix, an interactive CD-ROM version of the story The Tortoise and the Hare, a program that allows students to experiment with numbers, patterns and shapes called Millie's Math House, a program that allows students to explore literacy activities called Bailey's Book House, a program that helps develop critical thinking skills and creativity called Thinkin' Things, and many other popular programs.

The overlays for switch sell for $15.00 and the overlays for alternate keyboards sell for $25.00.

No Photograph Available

Product Name: Media Handling Products

Vendor: Various (Generic Product)

Cost: Varies

A variety of strategies are available to assist persons with mobility disabilities in performing basic tasks such as holding printed documentation vertically for accessible reading, loading and removing floppy disks, and turning computer equipment on and off. These strategies include: loading software onto hard disk drives to reduce the need for handling floppy disks; using computers with disk ejection systems which pop the disk out of a computer so it can be more easily grasped; using screen saver software to protect the computer screen while leaving the computer turned on; and plugging computer equipment into a multi-outlet power strip so that the computer, monitor, printer, and other peripherals may be turned on and off by flipping the power strip's switch. These strategies primarily involve equipment developed for mainstream computer users.

Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and often in gift specialty catalogs that carry personal convenience types of devices.

Product Name: Modular Turntable Desks

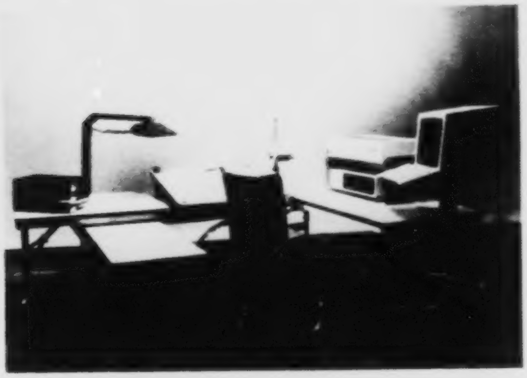
Vendor: Extensions for Independence

Computer: All (Hardware Independent)

Cost: $1,045.00 - $1,745.00

Modular Turntable Desks are straight, L-shaped, or single or double U-shaped tables with large turntables built into them. The turntables can be easily rotated by a non-functonal hand or mouthstick to give the user access to any object on either table without excessive reaching.

Three models are available: Single Turntable Desk, Twin Turntable Medium Desk, and the Twin Turntable Executive Desk. Extension tables ($329.00) to make straight desks L-shaped or U-shaped are available for all three models. Motor attachments are also available; contact manufacturer for details.



Product Name: Rx WorkStation

Vendor: Consumer Care Products, Inc.

Cost: Contact manufacturer

Rx WorkStations are modular work surface units which can be arranged for the user. The basic components of the WorkStations are the Slant Board/Easel which can be adjusted to any angle and used on any table, the height adjustable Worktables, and Pull-Out Side Tables which attach to any table.

The adjustable height and angle surfaces are controlled using mechanical or pneumatic options. The worksurfaces accept optional fixtures such as articulating arms, drawers, and stands which bring materials and supplies to the user. Contact the manufacturer for details on special configurations.

Product Name: Scanning Conversion Program

Vendor: Stone Age Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $94.00

Scanning Conversion Program is used with modified Applesoft programs that accept input from the standard keyboard so that they may be operated by a single switch. A disk with seven Applesoft games already modified for use with scanning is included with purchase. A scanning array with user adjustable rate is incorporated into the modified programs. Manufacturer can modify additional Applesoft game programs for a separate fee (contact manufacturer for details).

No Photograph Available

Product Name: Talk-to-Me Tutorial Cassettes

Vendor: Raised Dot Computing

Computer: IBM PC Family

Cost: $75.00

Talk-to-Me Tutorial Cassettes are a series of instructional audio cassettes to help beginning and intermediate computer users learn to use popular software programs. The taped courses were designed by a blind computer programmer for visually impaired users, but are suitable for anyone interested in learning the programs. The series currently includes tutorials on MS-DOS 5.0, Word Perfect 5.0 and 5.1, dBASE, Lotus 123, and Procomm/Procomm Plus.

Product Name: Talking Utilities for ProDOS

Vendor: American Printing House for the Blind (APH)

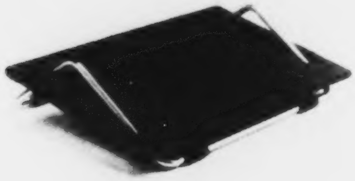
Computer: Apple II Family

Manual Form: Audiotape Manual

Cost: $23.05

Talking Utilities for ProDOS is a speech-accessible version of Apple Computer, Inc.'s "ProDOS User's Disk," a guide to the ProDOS operating system. The text on this utilities disk can be read entirely via speech synthesizer. The 5.25" disk contains adapted versions of two programs, "Filer" and "Convert." The disk also contains other programs for users who are getting started with ProDOS. A utility is provided that allows the user to read ASCII text files with synthesized speech.

An appropriate Echo speech synthesizer is required.



Product Name: TarsalRest

Vendor: Fox Bay Industries, Inc.

Computer: All (Hardware Independent)

Cost: $47.95 - $149.95

TarsalRest is a foot support for computer users available in an adjustable or non-adjustable version. A black rubberized platform is designed to prevent damage to shoes. The adjustable model has a height from six to 16 inches. The standard model is available at three inches and six inches.

Product Name: Variable Height Desk

Vendor: PosturMate, Inc.

Computer: All (Hardware Independent)

Cost: $900.00 - $2,700.00

The Variable Height Desk is a work surface designed to fit the posture of the person using it. The height of the desk is controlled by activating a switch for a built-in electric motor. The motor will raise the desk surface anywhere within the range of twenty six to fourty seven inches.

The desk can be ordered in a variety of wood color finishes. A hand crank desk model is also available. Contact the manufacturer about available computer compatible models with power slant boards, varying desk sizes, and custom specialized desks.

Chapter 19

Training and Therapy Software

This chapter includes computer software that is designed to be used for training and therapy. Software that focuses on topics such as basic skills, ADL skills, communication skills, and vocational training is included here. Software that focuses on topics which are traditionally part of school curricula is not included in this chapter but is found in Chapter 20 (Adaptive Education Software).

The products in this chapter are cross-listed by a number of functions in Index 1. Although only software that is actually used for therapy or training is included, some programs do have an assessment component and are cross referenced under Assessment (AS). Other relevant function codes include: Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Signing (SI), Cognitive Rehabilitation (CR), and Vocational (VO).

The following product entries appear in this chapter:

101 Animations, *556*
Adult Switch Progressions, *556*
Adventures of Jimmy Jumper - Prepositions, *557*
Antonyms and Synonyms (Cognitive Disorders 12), *557*
APH Presents the Talking Apple Computer, *558*
Aphasia Series: I through VIII, *558*
Association Pictures, *559*
Attention, Perception & Discrimination Plus for Windows, *559*
Audio Braille Game Tutorial, *560*
Babysitting Basics, *560*
Be a Winner Series, *561*
Bear Jam, *561*
BEST Faces, *562*
Big/Little I and II, *562*
Blocks in Motion, *563*
Blueprint for Decision Making, *563*
Body Builder, *564*
Bozons' Quest, *564*
Braille Tutorial, *565*
Breakthrough to Language: Clinical Edition, *565*
Breakthrough to Language: Home Edition, *566*
Buddy's Body, *566*
Build-A-Scene, *567*
Cafet-for-Voice, *567*
CanSpeak, *568*
Captain's Log: Cognitive Training System, *568*
Categories Plus for Windows, *569*
Category Discrimination and Reasoning Plus for Windows, *569*
Category Naming and Completion Plus for Windows, *570*
Cause & Effect, *570*
Cause 'n Effect, *571*
CAV-ASL, *571*
Children's Switch Progressions, *572*
Circletime Tales & Circletime Tales Deluxe, *572*
Cognitive Disorders I, II, III, IV, *573*
Cognitive Rehabilitation Software, *573*
Cogrehab Vol. 1, *574*
Cogrehab Vol. 2, *574*
Cogrehab Vol. 3 Version 2.0, *575*
Cogrehab Vol. 4, *575*
Cogrehab Vol. 5, *576*
Cogrehab Vol. 6, *576*
Cogrehab Vol. 7: Quest, *577*
COINSNKEYS, *577*
Color Find, *578*
Colorful Concept Software, *578*
Colors and Shapes, *579*
Communication Training Program, *579*
Community Signs, *580*
Community Vehicles, *580*
Completion From Partial Information Plus for Windows, *581*
Computer CUP, *581*
Computer Literacy Series, *582*
CONCENTRATE! On Words & Concepts, *582*
Construc, *583*
Core Reading and Vocabulary Development, *583*
Creature Antics and Creature Capers, *584*
Creature Cartoons, *584*
Creature Chorus, *585*
Creature Features, *585*
Creature Magic, *586*
CrossWords, *586*
Data Entry, *587*
Deductive Reasoning Plus for Windows, *587*
Definitions Plus for Windows, *588*
Dino-Games, *588*
Dinosaur Game, *589*
Dollars & Cents Series, *589*
Early and Advanced Switch Games, *590*
Early Concepts, *590*
Early Emerging Rules Series, *591*
Early Learning 3.5/Complete Early Learning 5.25, *591*
Early Learning I, *592*
Edmark Functional Word Series, *592*
Eency-Weency Spider Game, *593*
Elementary Signer, *593*
Employment Signs, *594*
English on the Job, *594*
Every Day Is A Holiday, *595*
Exploring Early Vocabulary Series, *595*
Family Fun, *596*
Fast Food Game, *596*
Feelings, *597*
Find the Buttons, *597*
Fingerspeller, *598*
Fingerspelling & Numbers, *598*
FingerZoids, *599*
First Categories, *599*
First Mate, *600*
First Step Software, *600*
First Verbs and Primeros Verbos, *601*
First Words, *601*
First Words II, *602*
Following Directions: One- and Two-Level Commands, *602*
Following Directions: Left and Right, *603*
Food Facts, *603*
Foundations I, *604*
Foundations II, *604*
Function Pictures, *605*
Functional Vocabulary Plus for Windows, *605*
Fundamental Concepts, *606*
Further Adventures of Jimmy Jumper - Perseverance, *606*
Getting Clean with Herkimer Level I, II, III, *607*
GrammarPlay with Alps and Droops, *607*
Grocery Store Words, *608*
Hierarchical Attention Training, *608*
Homographs, *609*
Homophones, *609*
Human Being Machine, *610*
If You're Happy and You Know It, *610*
Improving Your Self-Concept, *611*
Inferential Naming for Cognitive and Language Disorders, *611*
Inferential Naming Plus for Windows, *612*
Information Signs, *612*
Initial Phoneme Cuing for Aphasics, *613*
Interaction Games, *613*
Interaction Games II, *614*
Job Readiness Series, *614*
Job Seeking Series, *615*
Job Success Series, *615*
Join the Circus, *616*
Joystick Trainer, *616*
Keyboarding by Ability, *617*
Keyboarding for Individual Achievement, *617*
Keyboarding for People with Cerebral Palsy, *618*
Keyboarding Program with Voice Output, *618*
Keyboarding with One Hand, *619*
Keys to Success: Comp. Keybd. Skills for Blind Children, *619*
Laryngograph, *620*
Learn to Scan, *620*
Learning Activity Packets (LAPs), *621*
Learning How to Learn Series, *621*
Learning to Count, *622*
Learning to Reason Series, *622*
Learning to Spell Braille Signs, *623*
Less, More, Make Equal, *623*
Let's Go Shopping I and II, *624*
Let's Go to the Circus, *624*
Letter Find, *625*
LetterTALK+, *625*
Listen With Your Ears, *626*
Living Alone, *626*
Logi, *627*
Logo TouchTools for the PowerPad, *627*
Magic, *628*
Make It In Time, *628*
Make It Scan, *629*
Mastering Personal Information (MPI), *629*
Math Max, *630*
Math on the Job, *630*
Maze, *631*
Medical Words, *631*
Memory for Animated Sequences Plus for Windows, *632*
Memory I, *632*
Memory II, *633*
Micro Guide to Careers Series, *633*
Micro-LADS and Micro-LADS in French, *634*
Microcomputer Evaluation of Career Areas (MECA), *634*
Mind Castle I and II, *635*
Minimal Contrast Stories Plus for Windows, *635*
Minimal Contrast Therapy, *636*
Mix 'N Match, *636*
Money Matters, *637*
Money Skills, *637*
Motor Training Games, *638*
Motor Training Games, *638*
Multi-SCAN, *639*
Multiple Meaning Words I Plus for Windows, *639*
Multiple Meaning Words II Plus for Windows, *640*
MusicWare, *640*
MusicWare - Age Appropriate, *641*
MY HOUSE: Language Activities of Daily Living, *641*
My Paint & Talking Coloring Books, *642*
MY SCHOOL: Language Activites of Daily Living, *642*
MY TOWN: Language Activities of Daily Living, *643*
Nasometer Model 6200-3, *643*
New Frog & Fly, *644*
Numeric Concepts I and II, *644*
Occupations, *645*
Octobus, *645*
Old MacDonald's Farm I and II, *646*
On the Job Series - Career Interests, *646*
On the Job Series - Communication Skills, *647*
On the Job Series - Mathematics, *647*
On the Job Series - Problem Solving Skills, *648*
One Switch Picasso, *648*
Opening Windows, *649*

Opposites and Similarities Plus for Windows, *649*
Order Processing, *650*
Padded Food, *650*
Padded Vehicles, *651*
Paper Dolls I and II, *651*
PC Typer, *652*
Personal Development Software Series, *652*
Pick-A-Meal, *653*
Pictalk, *653*
Picture Cue Dictionary, *654*
Picture Identification Plus for Windows, *654*
Picture Naming Plus for Windows, *655*
Picture Scanner, *655*
Picture/Theme Disks, *656*
Pictures Programs: I, II and III, *656*
Point to Pictures, *657*
Positive Parenting, *657*
PowerPad Preschool Pack I & II, *658*
PowerTalker, *658*
Prefix, *659*
Preposition Fill-Ins, *659*
Press to Play, *660*
Primer 83, *660*
Problem Solving I, *661*
R.A.P.S. Software Series I PowerPad, *661*
Rabbit Scanner, *662*
Race the Clock, *662*
Rate Drill in Articulation, Language and Fluency, *663*
Reactions (R73), *663*
Reading a Ruler - English & Metric, *664*
Reading Comprehension for Adolescents, *664*
Reasoning Skills on the Job, *665*
Rhyming Pictures, *665*
Rockets to the Moon, *666*
Run Rabbit Run, *666*
Safety Signs, *667*
Scan & Match 1, 2, 3, and 4, *667*
Scan It - Switch It, *668*
Scanning Picasso, *668*
Seasons, *669*
Seek & Find, *669*
Semantic Development Using Code Breaking Strategies, *670*
Sentence Completion Plus for Windows, *670*
Sentence Key & Picture Sequence Key, *671*
Sentence Master, *671*
Shell Game & Mouse Game, *672*
Sight Words, *672*
Silly Sandwich, *673*
Simple Sentence Structure, *673*
SimpleCom I: Yes/No Communication, *674*
SimpleCom II: Needs/Wants Communication, *674*
Single Switch Software, *675*
Single Switch/MatchBox Pack I, *675*
Son of Seek and Find, *676*
Sorting by Category Plus for Windows, *676*
Sound Scope, *677*
Special Education Public Domain Software, *677*
SpeechViewer II, *678*
Steps for Career Choice, *678*
Storytime Series, *679*
Storytime Series for Macintosh, *679*
Studio4, *680*
Subtle Messages, *680*
Survival Words, *681*
Swim, Swam, Swum: Mastering Irregular Verbs, *681*
Switch Arcade, *682*
Switch Arcade, *682*
Switch Art, *683*
Switch It - Change It, *683*
Switch It - See It, *684*
Switch Puzzles, *684*
SwitchEnsemble, *685*
Talking Hands, *685*
Talking Literacy Kit for the Apple IIe (TALK IIe), *686*
Talking Nouns, Talking Nouns II, and Talking Verbs, *686*
Talking Touch Window, *687*
Talking Typer, *687*
TalkTime with Tucker, *688*
Tea Party, *688*
Teenage Switch Progressions, *689*
Telling Time, *689*
Telling Time, Parts of the Face, Learning Colors, *690*
THINKable/DOS, *690*
This is the Way We Wash Our Face, *691*
This Old Man, *691*
Timekeeper, *692*
Touch and Match, *692*
Touch and See, *693*
TouchMoney, *693*
Traffic Signs Plus for Windows, *694*
Transportation Signs, *694*
Trip to the Zoo, *695*
Turn-Talking, *695*
Twenty Categories, *696*
UKanDu Little Books, *696*
UKanDu Switches, Too!, *697*
Understanding Attributes, *697*
Verb Fill-Ins, *698*
Verbal Analogies, *698*
Verbal Analogies Plus for Windows, *699*
Video Voice Speech Training System, *699*
Visi-Pitch Model 3300, *700*
Visual Confrontation Naming Plus for Windows, *700*
Visual Memory Plus for Windows, *701*
Visual Motor Skills, *701*
Visual Pattern Memory Plus for Windows, *702*
Visuospatial Skills I, *702*
Visuospatial Skills II, *703*
Vortex Machine Assisted Reader Software, *703*
Wheels On The Bus I, II, III, *704*
Wheels on the Bus I, II, III - Intellipics Activity, *704*
Wheels on the Bus: COMPLETE, *705*
Where is Puff?, *705*
Word Association Plus for Windows, *706*
Word Order in Sentences, *706*
Word Order Plus for Windows, *707*
Words and Concepts I, II, III, *707*
WordWise Software, *708*
Worm Squirm, *708*
WSCC (Washington State Cooperative Curriculum), *709*
Zoo Time, *709*

The following products from other chapters can also be used as Training or Therapy Software:

BlissWrite, *741*
DigiTalk 1, *127*
Language Master Special Edition - LM6000SE, *477*
Mac-Apple Communications Aid, *756*
Magic Slate II, *756*
MicroIllustrator, *758*
Talking Public Domain Disks, *730*
Talking Writer & Four Games, *766*

Product Name: 101 Animations

Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family, IBM PC Family

Cost: $89.00

101 Animations is a simple cause and effect activity that puts a large and loud animation on the screen with every switch activation.

IBM version requires Microsoft Windows. The program works with a single switch or TouchWindow.

Product Name: Adult Switch Progressions

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $75.00 - $89.00

Adult Switch Progressions is a computer program that contains four simulation activities that are designed for people making the transition from randomly activating a single switch to activating a switch with specific timing, relative to real-life tasks appropriate for adults. The skills taught include cause/effect and attending to extended tasks (levels 0 and 1), following directions (level 2), and responding to visual/auditory computer information (levels 3 and 4). Each activity can be selected at any of the three levels. Other adjustable parameters are reaction speed, penalty (for inattention or inappropriate activation), length of reinforcement, reinforcement upon switch hit or release, and auditory feedback.

The Apple II version requires 128K of memory, a single switch or TouchWindow (see entry), and a switch interface or Adaptive Firmware Card (see entry). Recommended peripherals are a color monitor and an Echo speech synthesizer (see entry). The IBM version requires Microsoft Windows.

Product Name: Adventures of Jimmy Jumper - Prepositions

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $29.95

The Adventures of Jimmy Jumper - Prepositions is a story presentation program which emphasizes prepositional concepts. The story of a young rabbit, Jimmy Jumper, is presented with synthesized speech and graphics, which illustrate prepositions such as on, over, under, beside, and between. The child uses a game paddle, adaptive switch, or the space bar to either make the rabbit move in the manner specified by the preposition or advance the story screen by screen.

Use of an Echo II speech synthesizer is optional.

Product Name: Antonyms and Synonyms (Cognitive Disorders 12)

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $104.95

Antonyms and Synonyms is a software program that includes twenty lessons for vocabulary development. Two types of lessons are included. The first type uses words to teach opposites and similarities; the user must select the opposite of a target word from a list of words, and then select the synonym of the target word from the same list. In the second type, users are asked to indicate whether two target words are antonyms or synonyms.

Ten lessons of each type are included. Progress for each user is stored for later retrieval. Lessons may also be printed. Specify type of computer and disk size (5.25" or 3.5") when ordering.

Product Name: APH Presents the Talking Apple Computer

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $18.00

APH Presents the Talking Apple Computer is a software program designed to introduce beginning students to Apple II computers equipped with appropriate speech synthesizers. The program options on the disk demonstrate features of the Apple II keyboard and some of the sights and sounds the student can expect to experience while using an Apple II computer with speech output. The options include common actions such as choosing from menus, quitting programs, changing the speech settings, etc. The program is designed for students age eight years to adult.

The package includes both a 3.5" and a 5.25" disk. An Echo, Slotbuster, or DoubleTalk speech synthesizer is required for the program and disk-based manual to talk.

Product Name: Aphasia Series: I through VIII

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95 each

These programs are designed for people with aphasia and others with reading and comprehension problems, and operate with a single switch or space bar. In Aphasia I (Noun Association) and Aphasia II (Opposites-Similarities) the client must match a word to an appropriate one from ten words on the screen. Aphasia III (Categories) operates in the same way, except that the clinician can control the time necessary for a response (from 3 to 30 seconds). Aphasia IV (Reading Comprehension) contains ten stories with adult themes, with literal and inferential levels. A reading cursor can highlight one line of the story at a time to help people with visual problems. Aphasia V (Sentence Completion) presents choices of words to fill in a sentence blank, choices that are semantically or visually similar, or not similar. Aphasia VI (Definitions) is identical except that three definitions are presented as options for a word; foreign language or user-defined definitions are possible. Aphasia VII (Picture Identification) flashes pictures and asks user to spell the name of the object, highlighting incorrect letters. Aphasia VIII (Picture Naming) displays a picture and the user chooses the correct name from three options.

Product Name: Association Pictures

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $104.95

Association Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the lamb"). The second level is an association task. At this level, users must correctly determine which picture displayed on the screen can be associated with a prompt (e.g., "What goes with key?"). Responses are made by pressing the space bar and return key. The program stores performance data and prints progress reports to the screen or to a printer.

Product Name: Attention, Perception & Discrimination Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Attention, Perception and Discrimination Plus for Windows is a software program designed to help cognitively impaired individuals with matching, attention, and discrimination skills. The program allows for either a similarity paradigm or an oddity paradigm. The difficulty of the discrimination required can also be varied. The program requires Microsoft Windows.

Product Name: Audio Braille Game Tutorial

Vendor: Access Unlimited

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Audio Braille Game Tutorial is a braille training program to help teach braille contractions. The program includes seven games to practice the following contractions: short form words, one cell upper signs, lower whole word signs, two cell initial letter signs, upper whole word signs, and one cell lower signs. Stimuli can be presented either alphabetically or in random order.

System requires an Echo + or Echo II speech synthesizer for voice output capabilities.

Product Name: Babysitting Basics

Vendor: MCE

Computer: Apple II Family

Cost: $59.95 - $89.95

Babysitting Basics is a computer software program designed to help the user understand the responsibilites of child care. The program uses interactive activities to discuss how a sitter should respond in an emergency, decide when to contact parents, know what information to get from parents before they leave, and other issues important to preparing for sitting jobs. The program is written for a 3rd-4th grade reading level and an 6th grade-adult interest level.

One copy may be purchased for $59.95 or a five pack for $89.95.

Product Name: Be a Winner Series

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $249.95

The Be a Winner Series covers four work-readiness topics for adults with a fourth to fifth grade reading level. The topics are motivation, setting goals, being assertive, and negotiation.

Apple II system requirements are 64K and one 5-1/4" or 3-1/2" disk drive. IBM system requirements are 256K and one 5-1/4" or 3-1/2" disk drive. Price is for the complete stand-alone system. Each topic is available individually for $69.95. Network packages are available.

Product Name: Bear Jam

Vendor: Dunamis, Inc.

Computer: Apple II Family, Atari 400, Atari 800, Commodore 128, Commodore 64

Manual Form: Printed Manual

Cost: $59.95

Bear Jam is an educational pre-reading program which provides practice in basic visual skills involved in later learning, including observing similarities, recognizing differences, and distinguishing patterns. The program includes six games with different user-specifiable levels of difficulty, to train familiarity with shapes and colors. The program requires a PowerPad (see entry) and has animation, music, and color reinforcement for correct answers.

Included with the program is a supplementary guide, "Bear Jam for Exceptional Children" by Dolores Hagen, which presents 16 Bear Jam activities designed for children with disabilities.

Product Name: BEST Faces

Vendor: BEST, Inc.

Computer: IBM PC Family

Cost: $35.00

BEST Faces is a program designed to assess and teach perceptual and cognitive skills of developmentally impaired children who function at a 3-5 year old cognitive level. The program contains four games designed to test and teach basic skills in a sequential manner, starting from the basic skills of cause and effect and moving to more advanced skills of matching, discriminating, associating and memorizing. The activities revolve around the features of a face. The teacher can customize the program by adjusting variables such as: game type, facial features, number of features, response time, visual and auditory instruction and the overlays. The program automatically tracks the number of correct and incorrect responses, the response time, and the overall time the learner is attending to the task.

Input to BEST Faces can be made with the BEST Switch Interface, PowerPad, Concept Keyboard or Unicorn Keyboard.

Product Name: Big/Little I and II

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe,
Apple Macintosh Family

Cost: $35.00 each

Big/Little I and II are single-switch scanning programs for 1 to 4 players. The scanning speed can be adjusted. Players' names may be entered. The programs use a little bear to scan between big and little items. Big/Little I and II can be configured by the teacher or clinician to show a variety of different sizes.

An Echo speech synthesizer, color monitor, and single switch are required. For Macintosh use, a Apple IIe emulation card is also required.

Product Name: Blocks in Motion

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $79.00

Blocks in Motion is an art and animation program that does not require fine motor skills. Toolbars with shapes and colors are available on screen from which to select. Animation features can move individual blocks or objects made from groups of blocks. Basic shape blocks and wooden blocks are included. Additional block kits are available for $24.00 each: Letter & Number, Toys, Pencils and Stick Blocks, Cool Blocks, and Castle Blocks.

Product Name: Blueprint for Decision Making

Vendor: MCE

Computer: Apple II Family

Cost: $69.95 - $99.95

Blueprint for Decision Making is a software program which gives students practice in making decisions. The program user sees examples of problems involving parents and peers, then the user poses a personal situation to be resolved. To resolve the situation, the student must explain who has the problem, state the problem in a number of different ways, brainstorm for alternative solutions, and finally consider the consequences of each solution. When using a computer system with a printer, hard copy from the decision making activities can be obtained.

Blueprint for Decision Making is designed for junior high and high school age students; the program is written at a third grade reading level. The program may be purchased singly for $69.95 or in a five pack for $99.95.

Product Name: Body Builder

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $29.95

Body Builder is a software program that permits users to "build a body" using the PowerPad. The head, torso, legs and feet of four different characters--ballerina, grandmother, weight lifter, and spaceman--are included. Pictures may be printed out with the name of the user.

Body Builder requires a PowerPad and an Echo II speech synthesizer.

Product Name: Bozons' Quest

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00

Bozons' Quest is a computer game designed to teach cognitive strategies and left/right discrimination skills. A "Bozon" is moved left or right on the screen to search for "cosmic crystals" and points are accumulated while dangers are avoided. The computer says "right" or "left" with each move. A more advanced level uses an inverted game board, requiring movement decisions based on mirrored images. Bozons' Quest can be played using the keyboard, or a joystick, single switch, left/right rocker switch, or TouchWindow. If a single switch is used, the scan speed can be adjusted. The game may be played by one or two players; each player may use a different interface method.

The program requires an Apple II computer with 64K of memory, a monitor, an Echo speech synthesizer (extra; see entries), and a 5.25" disk drive. A color monitor is recommended.

Product Name: Braille Tutorial

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Large Print Manual

Cost: $39.00

Braille Tutorial (BT) is a software program designed to teach users how to read Grade 2 braille. The program draws large characters and braille cells on the screen in the size that can be read by most people with limited vision. The program features 12 lessons and a variety of test and drill styles.

BT requires EGA or VGA.

Product Name: Breakthrough to Language: Clinical Edition

Vendor: Creative Learning, Inc.

Computer: Apple II Family, IBM PC Family

Cost: $1,495.00

Breakthrough to Language: Clinical Edition is a set of software programs for speech and language therapy. The clinical edition contains 21 program modules that teach over 700 words, 140 phonic rules, and 540 sentences. The program also features an integrated management system to allow therapists to track and monitor the clients' progress. Lessons can be customized for each user. Records from home users can be imported into the management system to monitor their performance while outside of the clinical environment.

Product Name: Breakthrough to Language: Home Edition

Vendor: Creative Learning, Inc.

Computer: Apple II Family, IBM PC Family

Cost: $995.00

Breakthrough to Language: Home Edition is a speech and language therapy set of software programs. The home edition features 16 programs designed to provide comprehensive basic language skills. Included is the program Breakthrough to Writing.

Product Name: Buddy's Body

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Buddy's Body helps students learn to identify parts of the body. The program is divided into two levels: the face and the body. Animation sequences are used as Buddy introduces the features of his face and the parts of his body. The student is then asked to identify a particular part by touching that part on the surface of the PowerPad or IntelliKeys Keyboard. Correct responses are rewarded with a wiggle or a wave, and the speech synthesizer pronounces the name of that part of the body.

For Apple compatibility, the PowerPad, a speech synthesizer, and overlay are required; Macintosh users need the IntelliKeys Keyboard, speech synthesizer, overlay, color monitor, Apple IIe emulation card, and a 5.25" drive.

Product Name: Build-A-Scene

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $75.00 - $89.00

Build-A-Scene is an adaptation of a cause and effect software program from the Early and Advanced Switch Games disk from R.J. Cooper (see entry). The game involves building a color picture: each time a switch is hit, a new piece of the picture is added. Four pictures are included. If the program is used with an Echo speech synthesizer (recommended; see entry), words and sounds are produced along with the picture. Animated effects are also included.

The Apple II version requires 128K memory, and a single switch with a switch interface or Adaptive Firmware Card (see entry), or a TouchWindow (see entry). A color monitor and an Echo speech synthesizer are recommended. The IBM version requires Microsoft Windows. Price includes shipping and handling.

Product Name: Cafet-for-Voice

Vendor: Cafet, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $4,130.00

Cafet-for-Voice is a program designed for use by a speech-language pathologist in clinical treatment of voice disorders. The hardware, consisting of a plug-in circuit board, respiratory sensor, and tie-clip microphone, offers continuous real-time biofeedback that integrates airflow characteristics with voicing time and amplitude simultaneously. A wide variety of manipulable targets for respiration and voicing can be set by the clinician to structure a voice treatment program for nearly any functional and organic voice disorder. If used with a portable computer, the program is also suitable for bedside evaluation and treatment in hospitals and nursing homes. Session data is automatically captured on a separate diskette for later printout.

The price includes all necessary hardware and a three-day training specifically for treatment. The software alone for adding on to an existing Cafet system costs $670.00 and includes a one-day seminar.

Product Name: CanSpeak

Vendor: CanSpeak

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $200.00

CanSpeak is a software application using Hypercard 2.1 or later (required), which gives individuals with communication impairments simultaneous access to syntactically correct English and Bliss Symbolics to augment communication. In addition, CanSpeak has been designed as an integral part of a program to assist speech and language clinicians to address individuals with aphasia, cerebral palsy, Down's Syndrome, and others. The program offers the user rapid access to the total Bliss vocabulary of some 2,000 symbols with corresponding English text and voice. Word finding assitance is provided by a number of strategies including the use of a decision tree matrix which can be modified for each individual. CanSpeak prompts the user to employ appropriate message type (Statement, Question, or Request) and logical sentence structure (Subject + Verb + Object). Sentences (Bliss + English) constructed on the main communication board can be edited and pasted to documents. Documents of any length can be constructed, saved, and printed. CanSpeak allows the user to select individual words, phrases, sentences, and/or documents to be spoken aloud by the computer using MacinTalk.

Product Name: Captain's Log: Cognitive Training System

Vendor: BrainTrain

Computer: Apple II+, Apple IIGS, Apple IIe, IBM PC Family, IBM PC jr, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $495.00 - $1,495.00

Captain's Log was designed to train basic cognitive functions including attention, concentration, memory, visual/motor, and reasoning skills. Captain's Log consists of 28 programs in four modules: attention skills, visual/motor skills, numeric concepts/memory skills and conceptual skills. It utilizes a mouse, trackball, special joystick system, or a Sip 'n' Puff Visual Control System to control the system. Program options include three levels of difficulty in the game-like skill training, assessment mode or training mode, time of the trial, and presence or absence of visual cues or prompts.

Captain's Log will run on the Apple IIe, IIGS, II+, IBM PC, XT, PCjr., PS/2, AT, or IBM PC compatibles. Requirements for the Apple system are a mouse, the Timemaster II Clockcard, a color monitor, and 64K of memory. IBM requirements are a mouse, an RGB color monitor, and 512K of memory. For IBM and compatible computers, the price for the system is $1,795.00; this includes 32 programs. For Apple II computers the price is $1,495.00 and includes 28 programs. Individual modules are available for $495.00 each. The Skipper's Club, a technical support service, is available for $199.00/three years.

Product Name: Categories Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Categories Plus for Windows is a software program that presents a word and asks the user to respond within a certain time only if that word is in a specific category. The clinican specifies the category and sets the time within which the user must respond. Reward is both visual and auditory and progress is recorded. The program works with Microsoft Windows.

Product Name: Category Discrimination and Reasoning Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Category Discrimination and Reasoning Plus for Windows is a software program designed to address areas of thought organization that are essential to the language and cognitive recovery of individuals with head injury, non-dominant hemisphere involvement, and higher level aphasia and the treatment of the language disordered adolescent. The program takes the basic skills of category naming and completion and then exercises and teaches the processes behind discrimination, analysis, and reasoning. An included authoring program provides for personalized stimuli. The program requires Microsoft Windows.

Product Name: Category Naming and Completion Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.50

Category Naming and Completion Plus for Windows is a software program with a two-step format to reinforce the inherent language and cognitive components of categorization skills. In addition, the program addresses the areas of sequencing, discrimination, reasoning, and cognitive flexibility. Twenty informative lessons are provided and up to ten more lessons can be added. Vocabulary and categories can be adapted to the user's interests, occupation, cultural background, and specific language level. The program requires Microsoft Windows.

Product Name: Cause & Effect

Vendor: Judy Lynn Software

Computer: IBM PC Family

Cost: $20.00

Cause & Effect is a software program designed to introduce the user to the computer and switch. The program is composed of a series of brightly colored animated geometric segments accompanied by captivating sounds that are activated by a single press of a switch or the space bar. Each of the 30 segments lasts three to five seconds and can be altered based on attention span and tracking ability. Response time is saved on the disk and can be printed out and graphed.

An EGA or VGA monitor is required.

Product Name: Cause 'n Effect

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc

Cost: $25.00

Cause 'n Effect is an educational software program designed to teach the basic principle of cause and effect to the student. The program includes four different activities in which the student must initiate, change, or stop some activity on the computer screen. Responses during the program can be made by pressing any key on the keyboard, a mouse button, any typical single switch device, or a TouchWindow.

Extra options available for this program include speech output on an Echo or Cricket speech synthesizer.

Product Name: CAV-ASL

Vendor: E & IS SignWare

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $695.00

CAV-ASL (Computerized Animated Vocabulary of American Sign Language) is a program that allows learners to practice receptive skills in ASL Sign Language. English words selected by the user from the 2,600 word vocabulary are translated into animated displays of the equivalent ASL sign. Signs on the computer screen are seen from the same perspective as viewing a human signer. Motion of the signs can be sped up, slowed down, or frozen. English captions can be turned on and off. A series of words selected from any of the 16 data diskettes can be stored on a work disk by the user and played back in sequence.

Talking versions are available for the Apple and Macintosh computers. A French version is available for the IBM computer. Two disk drives are required; a graphics adaptor is required for the IBM version. The cost is $695.00 for the complete silent package of 17 disks. Contact manufacturer for the prices of individual disks.

Product Name: Children's Switch Progressions

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00 - $89.00

Children's Switch Progressions is a program that contains seven activities providing training in use of single switches (or a touch screen). The activities progress from requiring that a switch be activated randomly to requiring that the switch be activated at specifically timed intervals. Skills developed include understanding cause/effect and attending to an extended task (levels 0 and 1), following directions (level 2), and responding to visual prompts (level 3). Other parameters that can be adjusted are reaction speed, penalty for inattention or inappropriate switch activation, length of reinforcement, release (reinforcement upon switch hit or release), and auditory feedback as reinforcement.

A color monitor, single switch with switch interface or a TouchWindow (see entry), plus an Echo speech synthesizer for Apple computers and Soundblaster for IBM computers are recommended. The IBM version requires Microsoft Windows.

Product Name: Circletime Tales & Circletime Tales Deluxe

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $95.00

Circletime Tales is an educational software program which teaches colors, clothing, directions, and counting to pre-readers. Designed for group or individual use, such stories as the Eensy Weensy Spider and Five Little Ducks are included with animation and sound. Activities can be played all the way through or certain parts may be repeated. Circletime Tales Deluxe is a CD-ROM version of the program with more animation and music and features Spanish and English.

Both programs sell for $95.00 each. Programs can be accessed through a single switch, TouchWindow, Ke:nx (see entries), mouse, or the keyboard.

Product Name: Cognitive Disorders I, II, III, IV

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.50 each

Cognitive Disorders is a series of four programs that provide training in various skills for clients with cognitive disorders. The first two programs include twenty lessons and an authoring system to allow clinicians to create up to ten additional lessons. The other programs allow clinicians to vary the difficulty of tasks. All programs include a tracking component that allow results to be stored and printed at any time.

Cognitive Disorders I, Category Naming and Completion, requires users to determine the category represented by a short list of words and to add a word to the list from another list of words. Cognitive Disorders II, Category Discrimination and Reasoning, has three-level problems requiring identification of a word that does not belong in a list, rationalization for the word's inappropriateness, and selection of an appropriate replacement word. Cognitive Disorders III, Attention/Perception, requires matching of a target shape to an identical shape in an adjoining group. Cognitive Disorders IV, Memory for Pictures, shows a picture and then requires the picture to be identified from a group of three pictures.

Product Name: Cognitive Rehabilitation Softwar

Vendor: Various (Generic Product)

Cost: Varies

A variety of software packages are designed specifically for training persons with cognitive disabilities. A few of the functions this type of software may train are memory, independent living skills, and visual/perceptual skills. However, there are many mainstream software packages not specifically designed for cognitive rehabilitation which may also be effectively used to attain cognitive therapeutic goals. In choosing any software for this purpose, it is important to consider the specific cognitive disabilities of the individual in relation to the specific abilities of a software package.

A significant problem with software is the issue of cognitive access: the software may provide training in one type of cognitive skill, but may assume skill in another cognitive area that an individual does not possess. For example, a software program may provide training in memory skills but require substantial use of visual/perceptual abilities. However, in recent years this problem has been addressed by methods such as using voice prompts rather than requiring information to be read, and using touch screens rather than keyboards or mice as input devices.

604

Product Name: Cogrehab Vol. 1

Vendor: Life Science Associates

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $250.00

Cogrehab Vol. 1 is a memory and perceptual practice program with eight tasks addressing different skills in these areas. The tasks in Vol. 1 address: speed reading of word lists, reaction time to visual stimuli, speed of shape-matching, free memory recall, memory span capacity, mnemonic memory for word series, nonverbal sequence memory, and two administrative functions for keeping records and computing visual field information. Input is made via the keyboard.

Product Name: Cogrehab Vol. 2

Vendor: Life Science Associates

Computer: Apple II Family, TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $150.00

Cogrehab Vol. 2 is a perceptual assessment and training program for visual perception and memory. The program consists of six tasks addressing skills in these areas, including: line bisection of horizontal and vertical lines, eye movement exercises with horizontal scanning, nonverbal shape matching, visual search for unusual shapes, and Single and Double Simultaneous Stimulation (SDSST). Input is made via the computer keyboard.

Product Name: Cogrehab Vol. 3 Version 2.0

Vendor: Life Science Associates

Computer: Apple II Family, TRS-80 Model I, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $175.00

Cogrehab Vol. 3 Version 2.0 is a memory training program designed particularly to supplement other therapy activities as homework. The program consists of five tasks, each addressing a different skill area, including: immediate memory recall, associative memory recall, recall of block patterns, advanced verbal memory exercise, and reading memory exercises. Record keeping and database capabilities are also included, as are foreign language word lists.

Product Name: Cogrehab Vol. 4

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $95.00

Cogrehab Vol. 4 is a cognitive rehabilitation program which concentrates on three broad behavioral levels: attention, scanning, and problem solving. The program consists of three tasks, each of which addresses one of the areas of concentration, including: visual attention and vigilance, L/R and R/L scanning practice, and problem solving about logical sequences in number series. Input is made via the computer keyboard.

Product Name: Cogrehab Vol. 5

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $200.00

Cogrehab Vol. 5, "Software for the Individual Emerging from Coma into Consciousness," includes 10 computer programs and a clinical guide to assist in evaluating and treating the cognitive aspects of response capability in the emerging coma patient. A hierarchy of "milestones," advancing from single discrete response to multi-switch response differentiation, guides the therapist in the choice of programs. With an interface (extra), responses can be recorded from any switch. The program makes frequent use of sound and bold displays. The programs may be customized. Automatic cumulation of scores enables analysis of performance changes across sessions.

Product Name: Cogrehab Vol. 6

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $1,950.00

Cogrehab Vol. 6, "Driving Advisement System," is a series of computer programs for evaluating cognitive competence for safely operating a motor vehicle. The programs measure reaction time, perceptual motor tracking, decision making, and self-assessment of driving readiness. The Driving Advisement System includes software, steering and foot pedal modules, Input Adapter, and one-day training and application seminar.

Product Name: Cogrehab Vol. 7: Quest

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Cost: $490.00

Cogrehab Vol. 7: Quest is a software program for providing training in language, memory, and associated cognitive and information processing problems. The program presents verbal stimuli which require a unique response in six categories: word finding (unscrambling letters to form a target word, typing the opposite to a given word), comprehension, retrieval/access to remote memory, abstract thinking (concept naming, choosing which word of four does not fall in the same category as the other three), logic (analogies), and quantification. A task builder/editor is also included.

Product Name: COINSNKEYS

Vendor: Castle Special Computer Services, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $50.00

COINSNKEYS is a coin recognition and counting practice program with voice prompt and output. Tasks in program include identifying real coins by spoken name, identifying real coins by spoken value, identifying the computer keys by name, practice counting one-to-one, and practice counting simulated coins and bills.

A speech synthesizer is required for voice output (not included with program). Program also includes instructions so that coins can be mounted on the keyboard. Price is for a single disk but a group pack of eight disks at $16.00 each is also available. Contact manufacturer about obtaining personalized editions for individual student operation.

Product Name: Color Find

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $19.95

Color Find is a color recognition and matching program for preschool children. The program presents large blocks of one of nine colors on the computer screen, and vocalizes instructions such as "press red." Color stickers corresponding to these colors are placed on the keyboard. The child is required to press the color key corresponding to the screen prompt color to be matched.

An Echo II Speech Synthesizer and color monitor for the Apple II are required for operation.

Product Name: Colorful Concept Software

Vendor: Attainment Company

Computer: Apple Macintosh Family

Cost: $89.00

Colorful Concept Software is a Macintosh computer package designed to teach early learning skills including: number and word recognition, direction following, sequencing, cooperative learning, and attending. Each program includes "click 'n learn," "matching," and "you choose" options. The programs feature eye-catching visuals and human quality speech.

The software requires System 7, 256 colors, and 13" monitor. Programs are TouchWindow compatible.

Product Name: Colors and Shapes

Vendor: BEST, Inc.

Computer: IBM PC Family

Cost: $125.00

Colors and Shapes is a set of three disks designed to assess and teach cognitive and perceptual skills to developmentally impaired preschool age children. The programs revolve around colors and shapes. Once a color and shape discrimination is mastered, the teacher/therapist can focus on other perceptual and cognitive skills, such as figure-ground discrimination, object constancy, verbal association and problem-solving. The teacher/therapist can customize the program to match each child's skill level by controlling variables such as: input device, number of stimuli, complexity of stimuli, reward, response time and visual and/or auditory cuing.

Input to Colors and Shapes can be made with the BEST Switch Interface, PowerPad, Concept Keyboard or Unicorn Keyboard.

Product Name: Communication Training Program

Vendor: CSUS Assistive Device Center

Cost: $41.65

Communication Training Program presents scenarios which allow the user to interact as if in a real communication situation. Scenarios include going to a restaurant, buying a milkshake, and buying gasoline. User input generates a variety of computer responses creating new variations each time the interaction occurs.

Product Name: Community Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $289.00

Community Signs is an eight-disk microcomputer program that teaches signs which are essential for community living. The disks cover common information signs (e.g., "City Dump," "Coffee Shop," "Grocery Store," "Police Station"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer (see entries) are required. A color monitor, joystick, and printer may also be used with the program. An IBM version of the program requires 256K; network and hard drive loadable versions are also available. Community Signs includes eight disks, and administration manual, and six reproducible workbooks.

Product Name: Community Vehicles

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Community Vehicles is a computer program designed to teach children about various community vehicles. The program is for one to six players and has two levels. At Level 1, the child selects a vehicle associated with a community helper (fire engine, ambulance, school bus, police car, garbage truck). At Level 2, the child matches a vehicle to the community helper presented on the screen.

An Echo speech synthesizer, color monitor, and PowerPad are required for use on Apple II computers. For Macintosh use, the IntelliKeys Keyboard, overlay, and 5.25" disk drive are also required.

Product Name: Completion From Partial Information Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Completion From Partial Information Plus for Windows is software that teaches users to understand the whole from seeing a part of a language structure. The screen displays partial spellings of words in a category. After examining the partial information provided, the user is expected to type the whole word. The program requires Microsoft Windows.

Product Name: Computer CUP

Vendor: Amidon Publications

Computer: Apple II+, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $39.95 - $229.50

Computer CUP (Concept Understanding Program) consists of six software sets on nine disks designed to teach basic concepts. Each set presents different concepts. Set 1 teaches top, through, away from, next to, inside, middle, farthest; Set 2 teaches around, over, between, nearest, corner, behind, row; Set 3 teaches center, side, below, right-left, forward, above, separated, in order; Set 4 teaches some/not many, few, widest, most, whole, second/third, several, almost; Set 5 teaches half, as many, not first or last, medium-sized, zero, every, pair, equal, least; Set 6 teaches different, after, beginning, other, alike, matches, always/never, skip. Presentations remain on the screen until a response is made. The keyboard is used for input.

Each set is $39.95, and the complete series is $229.50. Student performance sheets and a class record sheet are included.

Product Name: Computer Literacy Series

Vendor: Conover Company

Computer: IBM PC Family

Cost: $1,198.95

The Computer Literacy Series consists of basic keyboarding skills software and program-specific computer literacy software augmented by live action videos. The basic keyboard skills portion consists of two typing tutors, typing drills, and typing games. The computer literacy series has programs dealing with MS-DOS, WordPerfect, Lotus 1-2-3, dBase, Windows, and computer viruses.

System requirements include 512K, a color monitor, hard drive, and one 5-1/4" or 3-1/2" disk drive. Price is for complete stand-alone series. The basic keyboarding portion can be purchased alone for $225.00 and the computer literacy video/software series can be purchased for $945.00. Network packages are also available.

Product Name: CONCENTRATE! On Words & Concepts

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $95.00 - $115.00 each

CONCENTRATE! On Words & Concepts is a series of educational games that reinforce the lessons of the Words & Concepts series (see entry) while developing short term memory skills. The games use the same vocabulary as their corresponding Words & Concepts programs. Students may play alone or with another player. The object of the game is to find matches based on vocabulary, categorization, word identification by function, or word association. During play, the computer provides auditory instruction and feedback. Interface options include TouchWindow (see entry), single switch, or keyboard. Scanning speed may be adjusted for single switch users.

The Apple version ($95.00) requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIgs version ($115.00) requires one 3.5" disk drive and 1 MB of RAM. The IBM version ($115.00) requires 640K of memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow are recommended. The Macintosh version ($115.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Construc

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $59.00

Construc is a software program designed for individuals with head injuries stroke, or learning disabilities. The program's objectives are to recognize color within a pattern, copy a given pattern, train hand-eye coordination, and increase spatial perception skills. The computer generates a pattern which the student must copy. The level of difficulty is chosen by selecting the number of circles to form the pattern.

Product Name: Core Reading and Vocabulary Development

Vendor: Educational Activities, Inc.

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family, IBM PS/2 Models 25/30, TRS-80 Model III, TRS-80 Model IV

Manual Form: Printed Manual

Cost: $650.00 for set

Core Reading and Vocabulary Development is a language skills training program for reading levels of 1.0 to 3.0, intended for older children and adults. Students begin with 35 basic words and progress to over 200 through various activities. Tasks include reading, timed reading, question/answer, visual-memory development, spelling, writing, and problems that model and encourage thinking, vocabulary development, and phonetic patterns.

Price listed is for complete set of 18 disks, 18 back-up disks, 108 reproducible activity masters, and a teacher's guide.

Product Name: Creature Antics and Creature Capers

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $65.00 - $75.00 each

Creature Antics and Creature Capers are game programs designed to improve attention skills and teach cause and effect, turn-taking, and switch use. Users activate a single switch, TouchWindow (see entry), or the space bar to make "creatures" perform animated routines with accompanying sounds. Additional activations cause the routine to continue. Encoded speech is used throughout the programs. Each program uses a different set of creatures and animated routines.

Creature Antics and Creature Capers are compatible with Apple II and IBM computers. The Apple version of the programs are $65.00 each and require 64K of memory, a speech synthesizer, and a disk drive. IBM versions of the programs are $75.00 each and require 640K of memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow or a single switch are recommended. The Macintosh version of the programs are $75.00 each and require Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Creature Cartoons

Vendor: Laureate Learning Systems, Inc.

Computer: Apple Macintosh Family

Cost: $75.00

Creature Cartoons is a program with five animated games designed to teach cause and effect and turn-taking skills. The program can be used with the keyboard, touch screen, single switch, or mouse.

The program requires a Macintosh LC or higher, system 7 software, hard drive, and 4 MB of RAM.

Product Name: Creature Chorus

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family,
IBM PC Family

Manual Form: Printed Manual

Cost: $85.00 - $95.00

Creature Chorus is a set of six games for use with the TouchWindow (see entry) and six games for use with a single switch or the space bar. Eight animated characters introduce the concepts of cause and effect, switch use, visual tracking, discrete pointing, and turn taking. Games range from very basic to challenging. An example of the single switch games is "Songfest," where creatures appear one at a time when a switch or the TouchWindow is activated. Once all the creatures are present, each switch activation causes them to perform a dance that continues until the next switch activation. A new arrangement is then created and repeated. An example of the TouchWindow games is "Shrinker," which uses an animated creature and a series of shrinking boxes to train pointing to a discrete area on the TouchWindow.

Creature Chorus is compatible with an Apple II computer and is $85.00. The Apple IIgs versions and IBM versions of the program are $95.00. A color monitor and TouchWindow or a single switch are recommended.

Product Name: Creature Features

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Cost: $65.00 - $75.00

Creature Features is an educational software program designed to teach the user cause and effect concepts and switch use. The user is given a group of graphic "creatures" and then asked to select one of them. Selection is made by using a switch. When the switch is activated the creature performs various animated routines in response to the switch use. The program also provides computer use practice.

The Apple IIGS version ($65.00) requires 512K of memory, and a 5.25" disk drive. The IBM version ($75.00) requires 640K of memory, a speech synthesizer, and a 3.5" disk drive. The IIe version ($65.00) requires 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Macintosh version ($75.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Creature Magic

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Cost: $65.00 - $75.00

Creature Magic is a software program with four games designed to introduce language and cognitive concepts through animated routines. Concepts covered include non-existence, difference between objects, prepositions "in" and "on", and the importance of word order in simple sentences. The program can be used with the keyboard, touch screen, single switch, or mouse.

System requirements for the IBM version ($75.00) include one 3-1/2" disk drive, hard drive, MCGA or VGA graphics, 640K of RAM, and a speech synthesizer. The Apple IIe version ($65.00) requires one 5-1/4" disk drive, 64K of RAM, and an Echo II speech synthesizer. The Apple IIgs version ($75.00) requires one 5-1/4" disk drive and 512K of RAM. The Macintosh version ($75.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: CrossWords

Vendor: Marblesoft

Computer: Apple IIGS

Cost: $50.00 - $100.00

CrossWords is a software program that can be used to create and run educational crossword puzzles, word search puzzles, spelling tests, and jumbled word puzzles. The program includes a text editor, which can be used to generate word lists or select words from existing lists. The crossword and word search puzzles may be displayed in three different sizes and all puzzles may be printed. Sound output discriminates, via pitch, between correct and incorrect answers; musical reinforcement is available as an option. A record keeping and reporting system is also included. A Special Access version includes support for the Echo, Cricket, or DoubleTalk speech synthesizer, compatibility with the TouchWindow, and a single-switch input feature. A demo training program is included.

CrossWords is $50.00 for the standard version or $75.00 for the Special Access version (both on 5.25" disks). CrossWords 3.5, which contains both versions on a single 3.5" disk, is $100.00.

Product Name: Data Entry

Vendor: Attainment Company

Computer: Apple II Family, IBM PC Family

Cost: $295.00

Data Entry is a program for training students to perform data entry tasks. Printed sheets with account numbers are provided; the student types the account number into the computer. At Level One, the student then enters "A" or "B" depending on the information on the sheet. At Level Two, the student enters "A," "B," and a dollar amount. At Level Three, the student is also required to proofread the screen for errors.

An Apple II or IBM compatible computer, one disk drive, and a monitor are required to use Data Entry; a printer is optional. A file box for storing account sheets, a technical manual, and a teacher's guide are also included.

Product Name: Deductive Reasoning Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Deductive Reasoning Plus for Windows is a cognitive retraining program designed to facilitate reasoning skills in relatively high level cognitively impaired individuals. Each lesson consists of ten problems which each have a set of rules which describe a class of words. The user is then presented with words and asked to determine whether each is a member of the class or not. After four words are presented, the user is asked to identify the class. The program uses large, clear letters and large response buttons. Progress is saved and may be displayed or printed. Ten lessons are provided and the clinician can create additional, custom lessons. The program requires Microsoft Windows.

The program can be accessed with the keyboard, mouse, or a touch screen.

Product Name: Definitions Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Definitions Plus for Windows is a software program that lists a word at the top of the screen and asks the user to select the most appropriate definition from a list of three definitions displayed. The task is varied by using foil definitions that describe words semantically related to the word listed at the top of the screen. The vocabulary and categories can be adapted. The program works with Microsoft Windows.

Product Name: Dino-Games

Vendor: Academic Software, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $25.00 each

Dino-Games is a series of four single-switch software programs designed primarily for children and youth. Each game works with SS-ACCESS!, Best Switch Interface, PowerPad, Intellikeys, alternate keyboards, and other input devices for the PC. Dino-Games require VGA graphics and a serial port.

DINO-DOTS is a collection of dot-to-dot games that teach number concepts, counting, sequencing skills, and spatial perception. DINO-FIND is a game of concentration that stimulates memory and pattern recognition and provides scanning practice. DINO-MAZE provides a series of motivating exercises where dinosaur characters move through mazes to reach goals. DINO-LIKE is a matching game which uses color, shape, and orientaion of dinosaurs to enhance pattern matching skills.

619

Product Name: Dinosaur Game

Vendor: UCLA Microcomputer Project

Computer: Apple IIe

Manual Form: Printed Manual

Cost: $35.00

The Dinosaur Game is an educational game program for one to four players. The program uses color graphics and synthesized speech to help promote independence, turn-taking, sharing, and rule-following. The game is also designed to help with other skills such as sequencing and color identification. The players operate the game using a single switch. The instructor must load the disk and start the game; after that the students can play independently. The Dinosaur Game provides verbal instructions to the players on how and when to play.

The Dinosaur Game requires a color monitor, an Echo II speech synthesizer (see entry), and an adaptor for plugging switches into the computer's game port. The manufacturer designates this program for the three to five age range.

Product Name: Dollars & Cents Series

Vendor: Attainment Company

Computer: Apple Macintosh Family

Cost: $159.00

The Dollars & Cents Series is a software package designed to teach the value of a dollar. The series consists of three programs: First Money, Spending Money, and Making Change. All three programs feature human-quality speech, colorful graphics, a Canadian currency option, and TouchWindow compatibility. First Money is an introductory program for non-readers. Spending Money simulates buying items like a sweater or a soft drink. The user selects correct combinations of bills and coins and learns to comparison shop. Making Change is the advanced program and requires the user to enter purchases and give change back like a store clerk.

The package includes a paper Hands-On Money kit. Individual programs are also available for $59.00 each. Site license software is available for $529.00.

Product Name: Early and Advanced Switch Games

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00 - $89.00

Early and Advanced Switch Games is a thirteen-game disk designed to provide training in use of single switches. The games progress incrementally from cause/effect tasks through timing and manipulation exercises to matching/selection exercises. Examples of games included are Noises, which provides instant positive reinforcement on switch activation; Build-A-Scene, which adds a part of a picture every time the switch is pressed; and an Advanced set of games that require counting, matching, and manipulation. User name, reaction speed, and type of scanning can be selected and saved.

A color monitor, single switch with switch interface, and Echo speech synthesizer are recommended for use with these games. The IBM version requires Microsoft Windows.

Product Name: Early Concepts

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe,
Apple Macintosh Family

Cost: $35.00

Early Concepts is a single-switch educational software program. Two concepts are taught: what is missing, and matching objects. One to four players may participate. The scanning speed (time that the cursor remains on a selection waiting for a player to press the switch) may be adjusted.

An Echo speech synthesizer, color monitor, and single switch are required for Apple II compatibility; for Macintosh computers, an Apple IIe emulation card and a 5.25" disk drive are also needed. A TouchWindow version is available for Apple computers.

Product Name: Early Emerging Rules Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $150.00 - $175.00

Early Emerging Rules Series is a set of three software programs that introduce early grammatical constructions using speech, pictures, and animated characters. The series is intended as a follow-up to the vocabulary training provided by First Words, First Words II, and First Verbs (see entries). Six instructional levels each include a game, four levels of training, and a test option. Students are presented pictures and asked to select the picture which represents the construction being trained. Various amounts of instruction, cuing, and feedback are provided on each training level.

The three programs are: Negation, which trains the determiner "No"; Plurals, which trains regular noun plurals; and Prepositions, which trains the prepositions "in" and "on." An Apple IIe computer with 64K of memory, a monitor, a speech synthesizer, and a 5.25" disk drive are required. A color monitor, TouchWindow (see entry), and printer are recommended. Apple IIgs, IBM, and Macintosh versions are also available.

Product Name: Early Learning 3.5/Complete Early Learning 5.25

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe,
Apple Macintosh Family

Manual Form: Printed Manual

Cost: $165.00 - $200.00

Early Learning 3.5 is a set of 18 educational programs and a record-keeping system sold on a single 3.5" or 5.25" disk. All programs support input from a keyboard, hand controls, Power Pad, Touch Window, IntelliKeys, and switches.

Programs included are: Matching Colors, Learning Shapes, Counting Numbers, and Letter Match; Sorting Fun, Count the Shapes, Match the Shapes, and What Comes Next; Coins and Bills, Counting Money, and Making Change; Early Addition I and II, Sequencing Up, and Sequencing Down; and Early Subtraction I and II and More Than/Less Than. The programs require a 128K Enhanced Apple computer. Some programs require a color monitor. An Echo or Double Talk speech synthesizer may be used to provide speech output. The Macintosh version requires a Macintosh LC with a IIe emulator card. All Early Learning programs are also available separately; contact manufacturer for details. Early Learning 3.5 is $165.00 for the 3.5" disk version ($25.00 for additional backup copies). Complete Early Learning, which is the same set of programs on 5.25" disks, is $200.00 ($5.00 for additional backup copies).

Product Name: Early Learning I

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $75.00

Early Learning I is a program for teaching recognition of colors, shapes, numbers, and letters. The four lessons included are: Matching Colors, Learning Shapes, Counting Numbers, and Letter Match. All have the option of being controlled with: a single switch, joystick, IntelliKeys, keyboard, paddles, PowerPad, or Edmark's Touch Window. The program may be set to ask for a yes or no response with no as default value. A speech synthesizer responds with correction and reinforcement. A record-keeping program is also included.

An Echo or Double Talk speech synthesizer and an enhanced 128K Apple are required to run Early Learning I. The Macintosh version requires a Macintosh LC with IIe emulator card. For the Matching Colors lesson a color monitor is required. Overlays are included for marking or color-coding the keys the student needs to depress; specify model of computer when ordering. Hand Controls (see entry) can be purchased for the switch option. Extra backup copies of the program are available (extra). PowerPad and IntelliKeys overlays can be purchased.

Product Name: Edmark Functional Word Series

Vendor: Edmark Corporation

Computer: Apple II Family

Cost: $829.00

Edmark Functional Word Series consists of four modules that teach real-life vocabulary to youths and adults with few or no reading skills. Up to 400 words for shopping, working, eating out, and reading important signs are taught through short steps and multiple repetitions. Each lesson allows the user to learn a new sight word, practice sight recognition, reinforce that recognition and associate the word with its meaning though the use of illustrations. Graphics and human-quality speech are used to encourage students.

Price is for the complete set in computer and print format together. The complete set is available without the print format for $649.00 and each module is available individually for $229.00 with print and $179.00 without print.

Product Name: Eency-Weency Spider Game

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00

Eency-Weency Spider Game is a single switch training program for one to four players. The players move the spider up the drain spout to win. The scanner randomly selects the sun (which moves the spider up one space) or rain clouds (which moves the spider down one space).

An Echo speech synthesizer, color monitor, and single switch are required.

Product Name: Elementary Signer

Vendor: E & IS SignWare

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $79.95 - $99.95

Elementary Signer is designed to introduce elementary school age students to ASL Sign Language. Words selected by the student are translated into the equivalent ASL signs and displayed on the screen in computer animation. The 160 word vocabulary allows students to converse in simple sentences. Signs can be displayed with or without captions. Motions of the signs can be slowed down, sped up, frozen, or repeated. Learning Comprehension mode tests knowledge of signs and keeps score.

The program is $79.95 for the silent version and $99.95 for the talking version (talking version only for the Apple). A graphics adaptor is required for the IBM version. Two disk drives are required for the Apple version.

Product Name: Employment Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Employment Signs is a four-disk microcomputer program that teaches 40 signs which are essential in employment settings. The disks cover ten common information signs (e.g., "Apply Here," "Employee Lounge") and 30 common safety signs (e.g., "Caution Do Not Enter," "Eye Wash Fountain," "No Smoking"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

Employment Signs includes four disks, an administration manual, and six workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required; IBM versions require 256K; network and hard drive loadable versions are also available. A color monitor, joystick, and printer may also be used with the program.

Product Name: English on the Job

Vendor: Conover Company

Computer: Apple II Family

Cost: $59.95 - 1,695.00

English on the Job is a vocational exploration and assessment program. A series of activities show the relationship between basic English language skills and occupations. Students are given the opportunity to explore careers, practice language skills related to particular jobs, and access remedial information related to communication skills. This series helps students make the school-to-work adjustment by developing an understanding of the importance of basic English skills in areas of occupational interest.

English on the Job is available in printed and computer disk form. The complete computer system ($1,695.00) includes 33 disks, 31 student guides, a management system, and teacher's guide. Individual career area disks are available for $59.95 each. The computer version of English on the Job is compatible with Apple II system and IBM computers; network and hard drive loadable versions are also available.

Product Name: Every Day Is A Holiday

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $45.00

Every Day is a Holiday is a set of two software programs designed for use with the TouchWindow, trackball, or mouse. The programs explore major holidays of the year divided into seasons. Holiday scenes or cards can be printed out. The Winter & Spring disk features Hanukkah, Christmas, Valentine's Day, birthdays, and Easter. The Summer & Fall disk features July 4th, Halloween, and Thanksgiving.

A color monitor is required.

Product Name: Exploring Early Vocabulary Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Cost: $90.00 - $100.00

The Exploring Early Vocabulary Series consists of three programs designed to encourage users to explore and interact with vocabulary items in natural settings. Exploring First Verbs requires the user to select an object and then uses the verb in a sentence and shows its verb action. Exploring First Words I & II requires the user to select an object and then the object is animated and its name spoken. Other activities designed to expand vocabulary knowledge, enhance word identification in context, strengthen word relationships, and introduce the concept of categorization are also included. The programs can be used with the keyboard, touch screen, single switch, or mouse.

The Apple IIe versions ($90.00) require one 5-1/4" disk drive, 64K of RAM, and an Echo II speech synthesizer. The Apple IIgs versions ($100.00) require one 3-1/2" disk drive and 1 MB of RAM. The IBM versions ($100.00) require one 3-1/2" disk drive, hard drive, MCGA or VGA graphics, 640K of RAM, and a speech synthesizer. The Macintosh versions ($100.00) require Macintosh LC or higher, system 7 software, hard drive, and 4 MB of RAM.

Product Name: Family Fun

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00

Family Fun can be used to teach cause and effect and basic vocabulary. A group of 16 familiar objects or people found in the home are presented. As an object is touched on the PowerPad or IntelliKeys, the object appears on the monitor and the speech synthesizer reinforces the association by naming that object or person.

The program requires PowerPad, speech synthesizer, and overlay for Apple computers; for Macintosh computers, the IntelliKeys Keyboard, speech synthesizer, overlay, Apple IIe emulation card, and 5.25" disk drive are needed.

Product Name: Fast Food Game

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00

Fast Food Game is a computer scanning program designed to provide practice in single switch use. Players move around an on-screen board by selecting "fast food" items. If a "sick face" is selected, the player loses her next turn.

A speech synthesizer, single switch, and color monitor are required; also an Apple IIe emulation card is needed for the Macintosh version.

Product Name: Feelings

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00

Feelings is an educational software program. Six feelings (happy, mad, sad, scared, love, tired) are depicted on a PowerPad overlay. The program has three levels: Level 1 describes each emotion, Level 2 requires the user to associate an emotion with an action, Level 3 requires the user to choose a picture to describe feelings.

A speech synthesizer, color monitor, and PowerPad are required; for the Macintosh, an Apple IIe emulation card and IntelliKeys are also needed.

Product Name: Find the Buttons

Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family, IBM PC Family

Cost: $89.00

Find the Buttons is designed to teach blind children about graphical user interfaces (GUI). There are 10 buttons that can be sized and moved. As the user passes over one, a customized indicator sound is heard. When the user is in the areas with no buttons another sound is heard. Auditory feedback always indicates the movements of the mouse.

The IBM version requires Microsoft Windows.

Product Name: Fingerspeller

Vendor: E & IS SignWare

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $39.95 - $49.95

Fingerspeller is a program that teaches ASL fingerspelling. The program displays line graphics of a hand forming the shape of an ASL letter. Letters on the computer screen are seen from the same perspective as viewing a human signer would give. Individual letters or words of up to 30 letters can be displayed at four user-selected speeds. Words can be captioned or non-captioned. A Learning Comprehension mode allows the user to test himself from a pre-programmed list of words stored on the disk or to create his own list of words. The program keeps score of these tests.

The silent version of the program is $39.95; the talking version (available for the Apple only) is $49.95. A Spanish version is available for the Apple. A graphics adapter is required to run the IBM version.

Product Name: Fingerspelling & Numbers

Vendor: Kopptronix Company

Computer: IBM PC Family

Cost: $89.00

Fingerspelling & Numbers is a software program designed to teach basic fingerspelling, improve comprehension, and increase signing speed. Features include life-like photographs, moving animation of hands, a custom vocabulary, and control of the signing speed. The program is compatible with Microsoft Windows.

Product Name: FingerZoids

Vendor: E & IS SignWare

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $49.95

Fingerzoids is an arcade-type interactive game that teaches the American Sign Language (ASL) fingerspelling alphabet. Alien invaders in the shape of letters from the ASL alphabet descend from the top of the screen. The player shoots them down by pressing the corresponding English letter key. The program keeps score and posts high scores. Available for the Macintosh computer only.

Product Name: First Categories

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Categories is a program that trains categorization skills by using voice output and pictures of 60 nouns in six categories. Activities offer training by inclusion or exclusion, with or without cuing. Students are presented either two or three pictures (with optional speech and/or text) and asked to select the picture which represents a correct answer. Lesson summaries and test performances may be viewed on-screen or printed; records can be saved to disk in the Apple IIGS and IBM versions. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), and game controller; a mouse option is available for IBM and Apple IIGS versions.

The Apple II version ($200.00) requires 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive. The Macintosh version ($225.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: First Mate

Vendor: BrainTrain

Computer: Apple II Family

Cost: $149.00 - $375.00

First Mate is a software package for developing and training perceptual skills. Three modules are available: Attention Skills, Visual/Motor Skills, and Conceptual Skills. Attention Skills focuses on color discrimination/inhibition, scanning reaction/inhibition, scanning reaction time, and stimulus reaction/inhibition. Visual/Motor Skills focuses on spatial orientation, visual tracking and discrimination, visual tracking and inhibition, and visuospatial memory. Conceptual Skills focuses on pattern matching, numeric skills, symbolic matching, and number and letter sequencing. Scores can be printed out. Task difficulty is adjustable for each program. The programs can be used in assessment mode or training mode. First Mate can be controlled with the standard keyboard or with a joystick.

The three individual modules can be purchased separately for $149.00 each or all three are $375.00. Lab Packs are also available at $295.00 for each set of the three programs or $129.00 for each copy of a single program.

Product Name: First Step Software

Vendor: Attainment Company

Computer: Apple II Family

Cost: $289.00

First Step Software is a series of Apple II talking programs designed to teach everyday skills with pictures that talk. Getting Dressed is a basic dressing and vocabulary program that teaches clothing names, dressing sequences, and how to select appropriate items for different occasions. Head to Toe is a body awareness program that teaches identification of parts of the body and basic anatomical vocabulary. Room by Room is a household vocabulary program that teaches essential words for items around the home. Street by Street is a community vocabulary and awareness program that visits six typical neighborhoods and teaches words and signs.

Program requirements include 128K and an Echo Speech Processor. The software is TouchWindow compatible and is available in 5.25" or 3.5" disks. Price is for the complete series; each program is also available individually for $59.00.

631

Product Name: First Verbs and Primeros Verbos

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Verbs and its Spanish version, Primeros Verbos (not available for Apple IIGS or IBM), are programs that train and test 40 basic verbs using animated pictures and voice output. Each verb is represented by two pictures. Six instructional levels progress from identification of a single picture with instruction and cuing through discrimination between two different pictures with no instructions. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for IBM), keyboard, Left/Right Rocker Switch (see entry) and game controller. A mouse option is available for IBM, Macintosh, and Apple IIGS.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive. The Macintosh version ($225.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: First Words

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Words is a program that trains and tests 50 basic nouns presented within 10 categories, using speech output. Each noun is represented by two different pictures. Six instructional levels progress from identification of a single picture with instruction and cuing through discrimination between two different pictures with no instructional support. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), keyboard, Left/Right Rocker Switch (see entry) and game controller; a mouse option is available for IBM, Macintosh, and Apple IIGS versions.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive. The Macintosh version ($225.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: First Words II

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00

First Words II is a program that follows the format and continues the training and testing of First Words (see entry) with 50 additional basic nouns presented within the same 10 categories used by First Words. A different animated creature accompanies the new vocabulary words. Interface options include TouchWindow (see entry), single switch (must be keyboard emulating for use with IBM version), keyboard, Left/Right Rocker Switch (see entry) and game controller; a mouse option is available for IBM, Macintosh, and Apple IIGS versions.

The Apple II version ($200.00) requires 48K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 512K memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive. The Macintosh version ($225.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Following Directions: One- and Two-Level Commands

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $235.00

Following Directions: One- and Two-Level Commands is a two-disk program that provides practice in following one and two step directions and using short term memory while teaching spatial relations and directional terms. Speech output directs the students to move animated characters to particular positions relative to the objects on the screen. Multiple levels present the exercises in progressively more difficult steps. A delay feature between auditory and visual stimuli may be used to further challenge short term memory. Scan speed, response time, and criterion for ending the lesson are adjustable. A lesson summary and test performance results may be viewed on-screen or printed.

Following Directions requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.

633

Product Name: Following Directions: Left and Right

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $165.00

Following Directions: Left and Right provides practice in following directions and use of short term memory while reinforcing left/right discrimination concepts. In ten activities of increasing difficulty, students are asked to move objects to particular positions on the screen using the commands "left" and "right." Speech output, animated characters, and animated drawings of hands and objects are used throughout the program. Scan speed, response time, and criterion for ending the lesson may be adjusted. Lesson summaries and test performance results may be viewed on-screen or printed.

Following Directions: Left and Right requires an Apple II computer with 64K of memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. Interface options include TouchWindow, a single switch, the keyboard, a game controller, or Left/Right Rocker Switch (see entry).

Product Name: Food Facts

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Large Print Manual, Printed Manual

Cost: $30.00

Food Facts is an interactive software program created by Minnesota Educational Computing Corporation (MECC) and speech-adapted by APH. The program is designed to teach about the nutritional properties of foods. Topics include: vitamins, recommended daily allowances or nutrients, sugar content of foods, and more. Food Facts is designed for use by junior high to adult students.

System requirements include a 5.25" disk drive and at lest 64K RAM.

Product Name: Foundations I

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $360.00

Foundations I is a series of seven types of visual and auditory reaction training programs. Simple Visual Reaction Time I-II records reaction time to a square presented randomly in time and place. Visual Reaction Stimulus Discrimination I-II records reaction to the choice of a colored square presented at random intervals. Visual Reaction Differential Response records right or left reaction to a square presented on either side of a vertical line. Visual Reaction Auditory Prestimulus operates like Simple Visual Reaction, but includes a tone prior to the square, to signal or inhibit response. Simple Auditory Reaction measures response time to a tone. Visual Scanning records accuracy and speed of user response to a randomly presented variation in a tracking line. Visual Discrimination Differential Response I & II requires user to make a discrimination between two possible stimuli, and respond with either the left or right hand.

Microsoft Windows is required.

Product Name: Foundations II

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Foundations II is a series of seven types of visual scanning, tracking, and reaction training programs. Visual Reaction Multiple Stimuli records reaction time to change in stimuli color. Visual Tracking records percent success of reaction to change in color of a randomly tracking stimulus. Visual Scanning II records reaction time and success in recognizing a cluster of digits surrounding a presented target symbol (e.g. $, #, or %). Visual Scanning III records search reaction times for user to scan one vertical column of letters to select a pair of letters to match a corresponding pair of highlighted letters. Multiple Attention/Response requires the user to control the needles of 1-5 dials to stay within a target zone. Complex Attention records speech and accuracy at indicating if the sum of three single digits is odd or even. Simultaneous Multiple Attention records success at determining when moving stimuli surround a target colored block. Joystick input is used and data is collected for all programs.

Microsoft Windows is required.

Product Name: Function Pictures

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $104.95

Function Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the hotdog.") The second level is a function identification task. At this level, users must correctly determine the function of a picture displayed on the screen by matching a picture with a prompt (e.g., "Which one swims?"). Responses are made by pressing the space bar and return key. Rewards are both visual animation and auditory reinforcement; pictures are displayed in color when a color monitor is used. The program stores performance data and prints progress reports to the screen or to a printer.

Product Name: Functional Vocabulary Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Functional Vocabulary Plus for Windows is software designed to provide practice for people with head injuries and other cognitive impairments who must enhance their vocabulary beyond standard dictionary definitions. In this program, users are asked to select the best description of a picture displayed on the screen. The descriptions are functional statements about the pictures displayed rather than labels or dictionary definitions. For example, while the dictionary definition of a trash can is "a container for garbage," a practical statement about a trash can is "it may have an odor." The program works with Microsoft Windows.

Product Name: Fundamental Concepts

Vendor: Judy Lynn Software

Computer: IBM PC Family

Cost: $29.00

Fundamental Concepts is a software program designed to teach a variety of concepts to users at a cognitive age level of one to four years. Some of these concepts are shapes, colors, crayon scribbling, interlocking pieces, and more. Repetition of the demonstrations attempts to teach the user a particular concept without losing attention.

An EGA or VGA monitor is required.

Product Name: Further Adventures of Jimmy Jumper - Perseverance

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Cost: $39.95

Further Adventures of Jimmy Jumper - Perseverance is a story presentation program designed to teach self-esteem and self-confidence. The program focuses on a small rabbit, Jimmy Jumper, who unlike the other rabbits cannot climb to the top of a dirt hill. Although the other rabbits tease Jimmy, he is also encouraged to persevere. Finally, Jimmy does make it to the top of the hill.

The program runs on an Apple II computer with at least 128K of RAM. Use of an Echo II speech synthesizer is optional. The program is available on either a 5.25" or 3.5" disk.

Product Name: Getting Clean with Herkimer Level I, II, III

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS

Cost: $45.00 - $100.00

Getting Clean with Herkimer Level I, II, III are educational software programs designed to teach the user about cleaniness and grooming. Level I has activities about bathing and showering. Level II has the user identify things which are not helpful in getting clean. Level III focuses on grooming, health care, and cooking items. All programs can be used with a single switch, TouchWindow, mouse, or space bar.

The programs are compatible with the Apple IIGS and require a speech synthesizer for sound output.

Product Name: GrammarPlay with Alps and Droops

Vendor: Optimal-Ed Learning Materials

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $54.95

GrammarPlay with Alps and Droops is an educational program in game format, designed for use by dyslexic students. The student hunts for parts of speech in Grammarland, aided by Alps and thwarted by Droops. The ten learning games offered are: Subject Noun Hunt; Verb Hunt; Preposition Hunt; Prepositional Phrase Hunt; Adjective Hunt; Adverb Hunt; Pronoun Hunt; Mixed Practice with Subject Nouns; Verbs and Prepositional Phrases; Mixed Practice with Adjectives; Adverbs and Pronouns; and Mixed Practice with all the Basic Parts of Speech. Games increase in difficulty, and each game emphasizes particular phonic patterns. For variety, four game board configurations are able to be selected. One to four people can play at a time.

Product Name: Grocery Store Words

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $659.00

Grocery Store Words is a computer software program which helps the user prepare for making up a shopping list and going to the store. The program includes 250 words which are divided into the following categories: departments, shopping items, breads/grains, condiments, convenience foods, diary/beverages, desserts/snacks, fruits/vegetables, household, meat/fish, and personal care. Both words and pictures appear on-screen for each item.

The program includes 26 disks, an administration manual, 6 workbooks, and a laminated shopping list. Apple II, IBM, network, and hard drive loadable versions are all available. A disk drive and speech synthesizer are required for all.

Product Name: Hierarchical Attention Training

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $134.95

Hierarchical Attention Training is a training program for increasing attention skills. The four areas covered are Focused Attention (user presses the space bar each time a specific visual stimulus appears; stimuli are single digits or letters, or sequences of three numbers or letters), Selective Attention (same as Focused Attention, except that a constantly changing visual background is used to create distraction), Alternating Attention (the visual stimulus changes, from odd to even numbers, numbers less than to greater than 10, letters before M to after M, and letter sequences), and Divided Attention (same as Alternating Attention, with the additional requirement of keeping track of number of stimuli presented). Features include reaction time measurements, saving and printing of progress reports, and modification of difficulty level of lessons.

Specify type of computer and disk size (5.25" or 3.5" disk) when ordering. IBM version requires CGA, VGA, or EGA graphics; Apple version requires 128K of memory and an 80 column card.

Product Name: Homographs

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $104.95

Homographs is a software program for teaching language skills by targeting words with multiple meanings. Two types of lessons are included. The first type presents two sentences, each of which may be completed by the addition of the same word; the user is asked to guess and enter the word that will complete the sentence. The second type presents two definitions and asks the user to enter the word that fits both definitions. Ten graded lessons for each lesson type are included. Progress is stored and may be retrieved for report generation. Lessons may also be printed.

Specify type of computer and disk size (5.25" or 3.5") when ordering. The IBM version requires CGA, VGA, or EGA graphics; the Apple version requires 128K of memory and an 80-column card.

Product Name: Homophones

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $104.95

Homophones is a software program that teaches language skills by targeting words that sound the same but have different meanings. The user is first presented with a word and asked to supply another spelling that sounds the same. Next, two sentences are presented with the target words omitted; the user is asked to type the correct spelling into each sentence. Fourteen graded lessons are included on each disk. Progress is stored for later retrieval. Lessons may also be printed.

Specify computer and disk size (5.25" or 3.5") when ordering. The IBM version requires CGA, VGA, or EGA graphics; the Apple version requires 128K of memory and an 80-column card.

Product Name: Human Being Machine

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00

Human Being Machine is a pair of software programs that permits an amusing body or face to be created. The two programs are Bodybuilder, which allows pictures of bodies to be built using a switch or touch screen, and Looney Goonies, which allows the user to build and animate faces using a switch or touch screen. The bodies and faces may be printed on a variety of printers; contact manufacturer for specific compatibility information.

Product Name: If You're Happy and You Know It

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

If You're Happy and You Know It is a computer program with an overlay for the nursery school song. Pressing one of the six pictures on the overlay causes an associated verse of the song to be "sung" by the computer.

A speech synthesizer, color monitor, and PowerPad are required; for the Macintosh, an Apple IIe emulation card and IntelliKeys are also needed.

Product Name: Improving Your Self-Concept

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $69.95

Improving Your Self-Concept is software that provides an interactive assessment of strengths, weaknesses, likes, dislikes, and rules for users with a reading level of third to fourth grade and adolescent or adult interest level. Users are encourged to see themselves as worthy persons and suggestions are made on ways to be more assertively honest with themselves and others.

Product Name: Inferential Naming for Cognitive and Language Disorders

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $134.95

Inferential Naming for Cognitive and Language Disorders is a computer program for teaching naming and reasoning skills. Blanks representing a word are placed on the screen. The user may request up to five hints, each of which reveals a relevant semantic feature: category, function, location, size/shape/color, and one other prominent feature. The user then types in the word. Ten lessons are included; the clinician may create additional lessons. Lessons may also be printed out.

Memory requirements are 128K (Apple) or 256K (IBM). Specify computer and required disk size (3.5" or 5.25") when ordering.

Product Name: Inferential Naming Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Inferential Naming Plus for Windows is a program with the object of determining the identity of a concealed word. Five semantic features are available to the user as clues to the identity of the word. These semantic features are category, function, location, size/shape/color, and one other prominent feature. A sixth clue is the first letter of the word and a seventh clue is the word with two other words in a multiple-choice paradigm. For each incorrect response, a new clue is provided. The program requires Microsoft Windows.

Product Name: Information Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Information Signs is a four-disk microcomputer program that teaches 40 signs which are essential for community living. The disks cover common information signs (e.g., "Admission," "For Rent," "Hospital," "Self Serve"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, plus an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program includes 4 disks, an administration manual, and 6 workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required. A color monitor, joystick, and printer may also be used with the program. IBM, network, and hard drive loadable versions are also available.

Product Name: Initial Phoneme Cuing for Aphasics

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95

Initial Phoneme Cuing for Aphasics is a program designed to teach aphasic clients initial letter recall. The program begins by providing keyboard practice, then three levels of operation follow, each with tutoring after errors. The first level requires the user to supply the first letter of the correct word from three words on the screen. The second level requires the user to supply only the correct letter when three choices are displayed. At the third level, the user supplies the first letter of the picture name in the absence of any clues. Eleven letters are used, each with unambiguous graphemic-phonemic correspondence. Each lesson is followed by a test to check mastery and transfer. Progress from each user is stored on the disk and is available as a report to the screen or a printer.

Product Name: Interaction Games

Vendor: Don Johnston Incorporated

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $45.00

Interaction Games is a set of nine switch operated games designed to teach cognitive, early academic and switch operation skills. The games allow players to experience competitive or team play through single switch input. Various skills are covered, including vertical and horizontal scanning, letter recognition, and the basic visual-motor skills involved in use of switches. The most complex game is "Scancentration," a scanning version of Concentration. In some games directions are provided via synthesized speech.

Two switches, a switch interface for the computer, and an Echo speech synthesizer are required to use Interaction Games. A minimum of 64K of memory is also required.

Product Name: Interaction Games II

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Cost: $45.00

Interaction Games II is a set of six software activities designed to teach cognitive, early academic, and switch operation skills. The program uses functions and parameters to change the user's name, select regular or step scanning, and control the rate of scan. The games provide cooperative and competitive activities for switch users. The activities include Horse Race, Match & Win, Slap Jack, and Mountain Climber.

Product Name: Job Readiness Series

Vendor: MCE

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $249.95 - $369.95

Job Readiness Series is a vocational training program that helps teach job readiness skills and behaviors in four different programs. Job Attitudes: Assessment and Improvement evaluates and recommends ways to improve attitudes for job success. Filling Out Job Applications leads users step-by-step through completing a job application. Successful Job Interviewing teaches users tips on how to plan and implement a successful interview. Resumes Made Easy uses a conversational style to motivate students to think about and develop their resumes.

Reading level of the programs is rated grades three to four, while the interest level is rated grade nine to adult. A single set of all four programs may be purchased for $249.95 or a five pack for $369.95.

Product Name: Job Seeking Series

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $285.00

The Job Seeking Series covers four skills needed for finding an adult job at a fifth to sixth grade reading level. The skills are resume writing, cover letter, filling out job applications, and interviewing. The resume and cover letter programs allow the user to create and print out actual, usable resumes and cover letters.

System requirements for the Apple II version are 64K, one 5-1/4" disk drive, and a printer. The IBM version requires 256K, one 5-1/4" or 3-1/2" disk drive, and a printer. Price is for the complete stand-alone system. Each program is available separately for $59.00 - $98.00. Network packages are available.

Product Name: Job Success Series

Vendor: MCE

Computer: Apple II Family, IBM PC Family

Cost: $249.95 - $369.95

Job Success Series is a set of educational software programs designed to help users succeed at their jobs. The set includes: Your Personal Habits, Your Work Habits, First Days on the Job, Looking Good, and Your First Job. Each program also includes an instructional guide for teaching suggestions as well as prerequisite skills, goals, and behavorial objectives. The four programs are written for a 4th-5th grade reading level and a 10th grade-adult interest level.

One set of the disks may be purchased for $249.95 or a five pack of the set for $369.95.

Product Name: Join the Circus

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $35.00

Join the Circus is a computer program designed to train use of a single switch. Four levels of play are included. The first level allows the user to hit the switch and watch a circus act from start to finish. The second level requires two switch activations: one to start the act and one to see the finale. The third level requires the student to touch the switch after each on-screen action. The fourth level allows play by two users taking turns. Options include a green light to provide a visual cue to hit the switch, an auditory cue to hit the switch, and action delay for users who need time to refocus attention to the monitor after hitting the switch.

Three circus acts are included in the program. An Echo speech synthesizer, switch interface, and single switches are required to use Join the Circus.

Product Name: Joystick Trainer

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00 - $89.00

Joystick Trainer is a computer program that contains nine activities intended to train wheelchair users in the skills necessary to operate an electric wheelchair. The disk starts with simple exploratory activities for gross movement and cognitive awareness, moves through initial proportional path-oriented tasks, and graduates to maze games for fine control. As the user's skill level increases, incrementally more challenging tasks are presented.

The IBM version requires Microsoft Windows.

Product Name: Keyboarding by Ability

Vendor: Teacher's Institute for Special Education

Computer: Apple II Family, IBM PC Family

Cost: $149.95

Keyboarding by Ability is a custom designed touch typing program. The program is ordered by number of usable fingers on each hand or use of mouthstick. Each program includes a complete set of lesson plans and instructional goals, supplemental graded data input lessons, and other features.

Product Name: Keyboarding for Individual Achievement

Vendor: Teacher's Institute for Special Education

Computer: Apple IIe, IBM PC Family

Cost: $149.95

Keyboarding for Individual Achievement is a series of software programs designed to teach keyboarding skills to students with specific disabilities. Each version includes a complete set of lesson plans and instructional goals, supplemental graded data input exercises, graded spelling practice and quiz, timed and graded speed tests, and a printed record of all exercises.

Edition 1 for learning disabled students uses a visually cued alphabetical approach. Edition 2 for dyslexic students incorporates a split screen approach in which the upper screen sequentially monitors the student's performance on the lower screen using a visual cue. Edition 3 for visually impaired students varies depending on the computer; the Apple program has large type and data input exercises while the IBM program uses a split-screen, visual cue, and large type. Edition 4 for deaf students uses the alphabetical approach with 12 levels of spelling words and sentences for comprehension.

Product Name: Keyboarding for People with Cerebral Palsy

Vendor: Teacher's Institute for Special Education

Computer: Apple IIe, IBM PC Family

Cost: $149.95

Keyboarding for People with Cerebral Palsy is designed to give a students keyboarding skills using a touch typing system custom designed for available usable fingers and grade level. The program includes: lesson plans and instructional goals, supplemental graded data input exercises, graded spelling quiz and timed speed tests, and a printed record of all exercises.

Product Name: Keyboarding Program with Voice Output

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Keyboarding Program with Voice Output is a program that uses synthesized voice to teach the position of keys on the computer keyboard. In the first phase the student can press any key and the computer will speak the letter for that key. In the second phase, the program prompts the student to type a particular letter. The program prompts in either alphabetic or random order. In issuing instructions, the program addresses the student by name. A running score is presented in the lower right-hand corner of the screen.

A speech synthesizer is required to run this program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Keyboarding with One Hand

Vendor: Teacher's Institute for Special Education

Computer: Apple IIe, IBM PC Family

Cost: $149.95

Keyboarding with One Hand is a typing tutorial that is designed to give students with the use of only one hand employable keyboard skills using a touch system designed for a standard computer keyboard. The program includes: a complete set of lesson plans and instructional goals, supplemental graded data input exercises, graded spelling practice and quiz, timed and graded speed tests, and a printed record of all exercises.

Product Name: Keys to Success: Comp. Keybd. Skills for Blind Children

Vendor: Life Science Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $35.00

Keys to Success: Computer Keyboard Skills for Blind Children is a voice output program to help blind and partially sighted children learn the computer keyboard layout. Program includes keyboard tutorial, keyboard practice, timed keyboard practice, and a timed game for two players.

System requires an Echo II for voice output capabilities.

Product Name: Laryngograph

Vendor: Kay Elemetrics Corporation

Manual Form: Printed Manual

Cost: $1,795.00

Laryngograph is a device that detects and processes laryngeal characteristics of a person's voice. The laryngograph can in turn be interfaced with a microcomputer to display and print these voice patterns. The user places two transducers (vibration detectors) against the larynx and speaks. The transducers are designed specifically to pick up and record movement of the cords, and the opening and closing of the vocal folds, independent of extraneous acoustic noise and the qualities of the resonance tract. The system detects the complete pattern of vocal fold closure in each vibrating cycle, including closure duration and completeness, closure velocity, and coordination (sharpness) of the closure event. The trace of these events (the EGG waveform) is generated, and can be transmitted to the computer or to an oscilloscope for display.

In order for the waveforms to be displayed on the computer screen, an interface unit and appropriate software are required. The Laryngograph works with the Visi-Pitch system, Computerized Speech Lab (CSL), RLS Videostroboscopy, and other systems (also from Kay Elemetrics).

Product Name: Learn to Scan

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Learn to Scan is a computer program designed to teach the elements of scanning with a single switch. Eight activities with speech feedback are included. The beginning level activities are designed to teach alignment of the cursor with a target. The intermediate levels involve moving a cursor to match items according to color, shape, and size. At the highest level, the learner moves the cursor to respond to matching tasks that require vocabulary recognition and matching. Performance level information can be obtained after each activity.

An Echo speech synthesizer, switch interface, and single switch are required to run Learn to Scan.

Product Name: Learning Activity Packets (LAPs)

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $995.00

Learning Activity Packets are software programs that provide diagnostic and practice exercises in math and English competencies related to job or technical skills, but do not have a skill enhancement component. All exercises are written with low-vocabulary requirements so that users with little or no knowledge of the career area can successfully complete each exercise. LAPs cover the following occupational areas; automotive, building maintenance, graphic design, cosmetology, custodial housekeeping, electronics, small engines, food service, business and office, manufacturing, distribution, health care, construction, horticulture, and computers.

Apple II version requirements are 64K and one 5-1/4" or 3-1/2" disk drive. IBM version requirements are 256K and one 5-1/4" or 3-1/2" disk drive. Price is for the complete stand-alone series. Individual career areas are available for $79.95 each. Network packages are also available.

Product Name: Learning How to Learn Series

Vendor: Conover Company

Computer: IBM PC Family

Cost: $699.95

The Learning How to Learn Series is a software program designed to teach basic skills useful to students in school as well as adults in the workplace. The series is divided into two levels based on reading level. Level 1 is targeted for students at a 4th-5th grade reading level and deals with following directions, building memory skills, study skills, and test taking. Level 2 is targeted for students with a 5th-7th grade reading level and deals with managing study time, following directions, memory skills, learning skills, and test taking.

System requirements include 64K for the Apple II version and 256K for the IBM version. Both offer 5-1/4" or 3-1/2" disks. Price is for a complete stand-alone series. A Level 1 package is also available for $335.95 and each of the individual courses can be purchased for $69.95. A Level 2 package is available for $395.00 and each its individual courses can also be purchased for $84.00. Network packages are available.

Product Name: Learning to Count

Vendor: Life Science Associates

Computer: IBM PC Family

Cost: $40.00

Learning to Count is a software program designed for persons with head injuries or learning disabilities, or for anyone who has difficulty counting or making change. Objects such as cookies, candies, cups, and coins are shown, and the user enters in the number of objects shown. Difficulty increases as the user progresses through each of the 30 lessons. Responses are usually typed on the keyboard, but typing skills are not required. The program keeps a record for each student.

System requirements include EGA or VGA and 512K. A hard drive and printer are desirable.

Product Name: Learning to Reason Series

Vendor: MCE

Computer: Apple II Family

Cost: $139.95

Learning to Reason is a set of three educational software programs designed to improve logical reasoning skills. The programs are True or False? (which has the user think about the validity and truth of statements); Puzzlers (which presents increasingly difficult problems requiring sequencing and reasoning skills); and Some, All, or None? (which discusses the relationship between objects in a set and the concepts of some, all, and none). All programs are written for a 2-3 grade reading level and a 2-5 grade interest level.

Programs may be purchased singly for $59.95 each, in five packs of one program for $89.95, or single copies of all three programs for $139.95.

Product Name: Learning to Spell Braille Signs

Vendor: Exceptional Teaching Aids

Computer: Apple II Family

Cost: $34.00

Learning to Spell Braille Signs combines voice-output computer software with hard copy braille to teach students how to spell braille signs. There are nineteen lists of signs and each list contains ten signs. The student can choose to work on any number of signs within a list. The package includes a clearly written print manual, the program disk (5-1/4" disk), a braille student workbook, and a recorded tour of the program on cassette.

An speech synthesizer is required to use Learning to Spell Braille Signs.

Product Name: Less, More, Make Equal

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $29.00

Less, More, Make Equal is a software program designed for individuals with head injuries, stroke, or learning disabilities. The program teaches skills in sequencing quantities from one to ten and make quantities equal by adding or subtracting. Within the program are three exercises; What is More?, What is Less?, and Let's Make Equal.

Product Name: Let's Go Shopping I and II

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00 each version

Let's Go Shopping is a switch training computer game program for one to four players. The players select items that would be sold in a given store using a switch or TouchWindow. Let's Go Shopping I presents items for a toy store or grocery store; Let's Go Shopping II presents items for a clothes store or pet store.

A speech synthesizer, color monitor, and single switch are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Let's Go to the Circus

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple Macintosh Family, IBM PC Family

Cost: $115.00

Let's Go to the Circus is a software program designed to strengthen vocabulary, introduce opposites, and reinforce basic concepts. Features include colorful scenes, high quality speech, animation, teacher control over lesson presentation, and automatic record-keeping. The program can be used with keyboard, touch screen, single switch, or mouse.

The Apple IIgs version requires one 3-1/2" disk drive and 1 MB of RAM. The IBM version requires one 3-1/2" disk drive, hard drive, MCGA or VGA graphics, 640K of RAM, and one of the following speech devices: Sound Blaster or compatible, PORTABLE sound Plus, Digispeech 201A, Echo PC II, Echo eDSP, Audio Capture & Playback Adapter, DoubleTalk PC, the Sound Source, or Speech Thing. The Macintosh version requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Letter Find

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $19.95

Letter Find is a training program to teach young children with visual impairments the position of keys on the keyboard. The teacher can define a range of letters or numbers for the children to find and place, and decide whether the program should proceed through that range of letters in alphabetical or random order. The computer provides verbal prompts of correctness of answers, and collects data on number of correct answers. The program also includes auditory addition drills.

The program uses an Echo II speech synthesizer. Manufacturer recommends that braille labels be applied to keys for easier access.

Product Name: LetterTALK+

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $30.50

LetterTALK+ is a software program designed to serve as an introduction to placement of the keys on an Apple II keyboard, an introduction to word processing, an introduction to audio computer games, and a means to practice using keys on the keyboard and listening to speech output. The program provides access to the computer screen in both large type text and speech output. A brailled styrene model of the Apple IIe keyboard and a brailled keyboard overlay for the Apple IIgs are also included.

System requirements include 128K of memory and one of the following speech synthesizers: Echo or Cricket (Echo Speech Corporation), Echo (APH), DoubleTalk or Slotbuster (RC Systems, Inc.).

Product Name: Listen With Your Ears

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $45.00

Listen with your Ears is a game of auditory discrimination for use with a single switch or a TouchWindow. The user identifies an object or action by the sound it makes. The twenty four choices include snoring, laughing, cat, doorbell, firetruck, and more.

A color monitor and Echo Speech Synthesizer are required.

Product Name: Living Alone

Vendor: MCE

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $69.95

Living Alone is a personal skills tutorial computer program. It is low vocabulary software program that exposes users to daily living issues which they may face when living alone. Topics such as budgeting, finding a place to live, and living alone or with a roommate are addressed. The program consists of one disk, a backup disk, and an instruction guide.

Product Name: Logi
Vendor: DEKRO, Inc.
Computer: IBM PC Family
Cost: $59.00

Logi is a software program designed for individuals with head injuries, stroke, or learning disabilities. The program's objectives are to analyze forms according to their shape and color and to rearrange forms according to their form, shapes, and spatial orientation. The beginning shape, color sequence, and shape sequence can be defined.

Product Name: Logo TouchTools for the PowerPad
Vendor: Dunamis, Inc.
Computer: Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $29.95

Logo TouchTools for the PowerPad is a collection of demonstration programs designed to help users adapt and enhance Terapin LOGO 2.0 or above. The TouchTools are designed to given persons with a wide variety of visual, motor, and cognitive skills access to the computer. The programs allow the PowerPad (see separate entry) to be used as an alternative keyboard for several applications, including single keystroke LOGO, letter, shape, and number identification activities, and access to synthesized speech.

The Apple IIe uses a special configuration for speech output, which includes a super-serial card, Votrax Personal Speech System, and cable to hook Votrax up to the card. Contact manufacturer for compatibility and cost information.

Product Name: Magic

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $109.00

Magic is a software program designed for individuals with head injuries, stroke, or learning disabilities. Objectives include recognizing and differentiating colors in a picture, copying a picture in detail, developing spatial perception skills, and developing efficient eye-hand coordination. The computer selects the picture from a large pool of pictures and selects a new color combination each time. The number of colors can be limited.

A mouse is required.

Product Name: Make It In Time

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Make It In Time is a computer program that teaches skills associated with using a single switch in a time-dependent situation. The program is a collection of eight activities in which the user needs to hit the switch at a specific point in time to successfully complete the task. Activities include: Money in the Bank, Puddle Jumper, Make That Kick, and Bowling Like a Champ.

An Echo speech synthesizer, switch interface, and single switch are required to use Make It In Time.

Product Name: Make It Scan

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $40.00

Make It Scan is a software program with six switch use training games. The user may choose from multiple scanning options. Games include Bowl-A-Rama, Roll-A-Ball, Good Dog, Pinball, Walk About, and Park It. The program is intended to teach choice making and timing skills. Data collection capability is included.

Product Name: Mastering Personal Information (MPI)

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $104.95

Mastering Personal Information (MPI) is a software program to train persons with cognitive impairments to recognize and write basic information such as name and address. The program has three levels of operations. The first level of difficulty requires clients to copy the target word letter by letter. If any errors occur, the client is given unlimited chances to correct each error. The next level of difficulty is revisualization, where the entire target response is presented and then masked. After the response is masked, the client copies the target response. If errors are made, the entire target is presented and then masked again. At the highest level, the client is expected to recall the spelling of familiar materials; if any errors occur, individual letters are tutored.

Product Name: Math Max

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $109.00

Math Max is software program designed for individuals with head injuries, stroke, or learning disabilities. The program's objectives are to attain speed in mental arithmetic, develop observational skills, increase reaction speed, and apply problem solving strategies. Ten math games are offered in three difficulty levels. Sound and clock can be toggled, practice sheets can be printed, and high-scores can be saved and records broken.

System requirements are VGA color and a mouse.

Product Name: Math on the Job

Vendor: Conover Company

Computer: Apple II Family

Cost: $59.95 - $1,695.00

Math on the Job is a vocational exploration and assessment program. This series is designed to help students make the school-to-work transition by giving them an opportunity to explore careers, practice basic math skills related to selected vocations, and access diagnostic and remedial related math information. The program is also designed to help educators integrate basic math and problem-solving skills into career exploration activities.

Math on the Job is available in printed and software forms. Reading levels for both versions are at a 4.0 grade level. The software version is available as a complete system or by individual career areas. The complete system ($1,695.00) includes thirty-three disks, thirty-one student guides, management system, and a teacher guide. Individual areas ($59.95 each) include one disk, a student guide, and a teacher guide. Apple, IBM, network, and hard drive loadable versions are available.

Product Name: Maze

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Maze is a recreation and training program that uses color, graphics, and sound to guide the user through a maze. Mazes may be designed by the user, or a teacher or parent. The user guides the cursor through the maze by pressing keys on the keyboard. If a voice synthesizer is used, the words "up," "down," "left," and "right" accompany selections.

Product Name: Medical Words

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $299.00

Medical Words is a computer program which teaches signs and words that are important in getting medical help and explaining illnesses. The program focuses on four types of words: hospital signs, symptoms, ailments, and treatments. When pictures and words are correctly matched, the words are spelled out on-screen and appear with an appropriate graphic scene. Medical Words has an instructional segment, a unit review, a generalization probe, and an evaluation segment.

The program includes 9 disks, an administration manual, and 6 workbooks. Apple II, IBM, and network versions are available. All require a speech synthesizer and disk drive.

Product Name: Memory for Animated Sequences Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Memory for Animated Sequences Plus for Windows is a program for users with observational, attention, short term memory, receptive language, and expressive language impairments. Users watch an animated sequence of events lasting between a few seconds and a minute and then select statements that describe what they just observed. The animated sequences are presented in random order and the statements are taken from a large pool of stimuli. This allows the program to be used over and over by the same user. The program requires Microsoft Windows.

Product Name: Memory I

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Memory I is a series of four different types of memory training programs. Spatial Memory asks users to learn an escape route from a concentric maze, where a correct guess advances the user and an incorrect one returns the cursor to the beginning. Verbal Memory (Sequenced Words) presents a series of words and asks the user to select the same words from an array of sixteen words, in the order that they were presented. Auditory Memory presents one or more tones that seem to slide up or down the scale and asks the user to reproduce the series of up/down combinations. Visual/Spatial Memory presents a symbol in a 5 x 4 matrix, then asks the user to recognize what symbol was seen from an array of ten symbols, and where on a blank array the symbol was presented.

Microsoft Windows is required.

Product Name: Memory II

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Memory II is a series of different memory training programs, an advanced version of Memory I (see entry). Spatial Memory (Objects/Locations) presents an array of 30 objects with a frame briefly around one or two objects; the user must recall and select the framed item. Visual Memory (Sequenced/Spatial) asks the user to recall which of twelve squares changed colors, first a single square change then a sequence of color changes. Recognition Recall 1,2,3 presents 19 objects for a clinician-set period of time (from a few seconds to over a minute), then asks the user to recall which pictures were seen from a list of 90 words. Verbal Memory (Categorizing) asks the user to categorize 20 words into one of four groups (such as foods, animals, colors), then after completion of task to recall as many of the twenty words as possible.

Microsoft Windows is required.

Product Name: Micro Guide to Careers Series

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $639.00

The Micro Guide to Career Series consists of eight easy to use programs that provide a quick reference to high-demand career areas. Each program features an inventory profile that encourages learners to compare their interest with those of a worker in that field and includes a job bank with over 75 concise job descriptions. The eight programs deal with high tech careers, nursing careers, fashion careers, counseling and teaching careers, sales careers, office occupations, self-employment, and liberal arts careers.

System requirements for the Apple II version are 64K and one 5-1/4" disk drive. The IBM version requires 512K and one 5-1/4" or 3-1/2" disk drive. Each program is available separately for $84.00.

Product Name: Micro-LADS and Micro-LADS in French

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $165.00 - $775.00

Micro-LADS (Microcomputer Language Assessment and Development System) and its French version are each a series of seven diskettes designed to teach over 45 fundamental syntactic rules. Students are presented with two or three pictures (depending on the grammatical construction being trained), with optional speech and/or text, and asked to select the picture which represents the correct construction. Scan speed, response time, and criterion for ending the lesson can be adjusted, and animation can be turned on or off. A lesson summary and test performance results can be viewed on-screen or printed.

The Apple II versions ($165.00 - $750.00) require 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIgs versions ($175.00 - $775.00) require one 3.5" disk drive and 1 MB of RAM. The IBM version ($175.00 - $775.00) requires 640K memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow (see entry) are recommended. The Macintosh versions ($175.00 - $775.00) require Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.

Product Name: Microcomputer Evaluation of Career Areas (MECA)

Vendor: Conover Company

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $250.00 - $825.00

MECA is a series of vocational assessment packages with "hands-on" simulation of tasks within a trade area. Each package contains three Work Samples and a Learning Activity Packet (LAP). The Work Samples break down job-related tasks into steps, which are presented with graphics and written instructions at the bottom of the computer screen. The LAP presents basic academic skills activities relevant to the career area covered.

Software and training manuals are sold separately for all MECA kits for $250.00 per kit. MECA kits are also sold with necessary hardware and supplies to complete tasks in training packages. These range from $425.00 - $825.00 including: automotive, building maintenance, graphic design, cosmetology, custodial housekeeping, electronics, small engines, food service, business and office, health care, manufacturing, construction, distribution, horticulture, and computers. System can be used with optional color monitor, or cassette player and cassette control device (CCD) for audio screen information for low or non readers. Apple II versions require 64K of memory and IBM versions require 256K.

Product Name: Mind Castle I and II

Vendor: MCE

Computer: Apple II Family, IBM PC Family

Cost: $59.95

Mind Castle I is an educational software program which encourages the use of basic logic and reasoning skills. The program has an adventure game format which prompts the user to explore the different rooms of a castle. In each room the user has to solve a different logic problem or puzzle. Mind Castle II uses a similar format to emphasize more advanced problem-solving methods as well as confidence in problem solving and decision-making.

The programs run on either IBM or Apple computers. The two programs are sold separately, each for $59.95; five packs of each program are $89.95.

Product Name: Minimal Contrast Stories Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Minimal Contrast Stories Plus for Windows is software that presents stories with color pictures with the outcome dependent on whether the user uses the error sound. The story ends happily if the correct sound is used and unsatisfactorily if the sound error is used. For example, Bruno is able to break the log and confirm his strength if the user pronounces the final consonant in the word log. If the user does not pronounce the final consonant then Bruno breaks the law and goes to jail. The program works with Microsoft Windows.

Product Name: Minimal Contrast Therapy

Vendor: Parrot Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $104.95

Minimal Contrast Therapy is a treatment program for children with unintelligible speech. The user selects three phonological processes which contribute to a child's unintelligible speech. A series of minimal pairs are displayed on the screen in picture form. The child is then instructed to play a game in which he must move the target word into a box on the left side of the screen. He is informed that the picture will only move if he says the target word correctly.

Correct and incorrect responses are recorded by the computer and displayed in graphic form characteristic of a multiple-baseline design. Records of up to 12 clients may be kept on the disk at one time. The program was recently revised to include improved graphics. Users can send in old copies of the program with $15.00 to receive a new copy.

Product Name: Mix 'N Match

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $57.00

Mix 'N Match is a program designed to teach identification of objects by size, shape, and color. Sorting Fun teaches classification of objects by shape and color; Count the Shapes teaches identification by shape, color, and size; Match the Shapes teaches relationships between objects; and What Comes Next teaches patterns in a sequence. All four lessons have the options of switch input ("yes" and "no" responses) and synthesized voice reinforcement. A record-keeping system and keyboard overlays are also included.

A 128K Enhanced Apple computer and a color monitor are required to run Mix 'N Match. An Echo or Double Talk speech synthesizer is required for the voice output option. The Macintosh version requires a Macintosh LC with a IIe emulator card. The PowerPad keyboard, Touch Window, or IntelliKeys can be used as input devices for Mix 'N Match as well as other keyboards and switches. Backup copies of the program are available (extra). PowerPad and IntelliKeys overlays can be purchased separately.

Product Name: Money Matters

Vendor: MCE

Computer: Apple II Family

Cost: $59.95

Money Matters is a tutorial program designed to teach knowledge and use of coins and bills. Concepts enforced includes using money, identifying and stating value of coins (penny, nickel, dime, and quarter) and bills (one, five, ten, twenty), counting money, and making change. The main menu may be accessed during any point in the program by pressing the escape key.

Product Name: Money Skills

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $57.00

Money Skills is a program for teaching identification of coins and bills, counting denominations and making change. The program deals with both U.S. and Canadian currency. The lessons can be set at increasing levels of difficulty. A built-in record keeping system is included. A variety of input options are available, including single switch scanning, hand controls, PowerPad, Touch Window, or IntelliKeys (see entries). A customized voice output option is offered as well.

A 128K Enhanced Apple is required to run Money Skills. In order to use the speech option, an Echo or Double Talk speech synthesizer is required. The Macintosh version requires a Macintosh LC with a IIe emulator card. The various alternative control systems are purchased separately. Backup copies are available (extra). PowerPad and IntelliKeys overlays can be purchased separately.

Product Name: Motor Training Games

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $15.00

Motor Training Games are recreation/training programs for the Apple family of computers. Motor Training Games are operated by one or two motor movements, and are designed to acquaint disabled individuals with control switches in a comfortable, low-stress atmosphere. Motor Training Games are also designed to aid therapists in evaluating and refining the motor abilities of a particular user. Motor Training Games consists of fourteen games appropriate for preschool through teen users, or higher.

One or two microswitches must be substituted for, or wired in parallel with, the Apple game buttons through the game I/O port.

Product Name: Motor Training Games

Vendor: Don Johnston Incorporated

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $35.00

Motor Training Games is a set of 14 switch-operated games and formal activities designed to teach cognitive and switch-operation skills. The activites and games can be operated with a single switch. The main menu can be accessed at any point in the program by pressing the ESC key.

Motor Training Games can be used to develop skills needed to use Adaptive Firmware Card technology and switch-activated communication aids. A single switch and a switch interface for the computer are required to use Motor Training Games.

Product Name: Multi-SCAN

Vendor: Academic Software, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $149.00

Multi-SCAN is a single switch activity center featuring four educational games in one package: Dot-to-Dot, Concentration, Mazes, and Matching. Skills emphasized include cause and effect, counting, spatial perception, pattern recognition, memory, and problem-solving. In addition, Multi-SCAN provides six graphic game libraries designed for a wide range of ages and abilities: Animals, Sports, Dinosaurs, Cosmetology, Independent Living, and Vocation. Multi-SCAN allows the user to select a graphic library, choose games, set a schedule of play for each user, and adjust the difficulty level and other settings for each game independently. Individual performance reports can be printed.

Multi-SCAN works with the keyboard and mouse buttons. The Macintosh version works with most alternate Macintosh control interfaces. The IBM compatible version requires Microsoft Windows and the SS-ACCESS! (see entry) single switch interface.

Product Name: Multiple Meaning Words I Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Multiple Meaning Words I Plus for Windows uses words that sound the same but have different spellings and different meanings (homophones). The program is intended for any person requiring help with word retrieval and vocabulary development. The program presents one member of a pair of homophones and asks the user to recall the other member of the pair. Then the user is asked to use the two words in a sentence. Responses are appropriately reinforced and progress is recorded in special data files. The program contains fifteen lessons and requires Microsoft Windows.

Product Name: Multiple Meaning Words II Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Multiple Meaning Words II Plus for Windows uses words that are spelled the same but have different meanings (homographs). The program presents either definitions of homograph pairs or sentences with blanks to be filled in by homographs. Responses are reinforced and progress is recorded in special data files. Fifteen lessons.

Product Name: MusicWare

Vendor: SoftTouch/kidTECH

Computer: Apple Macintosh Family

Cost: $75.00 - $95.00

MusicWare is a series of software designed to teach a variety of cognitive skills through music and animation. Five Little Ducks uses rhyme, rhythm, and repetition to build vocabulary and number concepts. Five Green & Speckled Frogs include activities dealing with cause and effect, numbers, and beginning subtraction. Old MacDonald's Farm teaches vocabulary and visual discrimination. Make It Go features seven original cause and effect programs. My Action Book teaches nine action verbs. Monkeys Jumping on the Bed features activities ranging from cause and effect, matching colors, and number or word concepts (Spanish or English). Input to the program is via single switch, TouchWindow, or expanded keyboard. All programs have choice of auditory or visual scan.

Overlays for IntelliKeys and Key Largo are available.

Product Name: MusicWare - Age Appropriate

Vendor: SoftTouch/kidTECH

Computer: Apple Macintosh Family

Cost: $75.00 - $95.00

MusicWare - Age Appropriate is a series of software programs designed specifically for certain ages. Teen Tunes is designed to teach cause and effect to teens and preteens through graphics, animations, and sounds. The Rodeo is designed to teach cause and effect, scanning, visual matching, number matching, and auditory selection to preschoolers, early elementary students, and preteens. Away We Ride includes activities such as matching the correct picture, sound, associated object or word to preschoolers, early elementary students, and preteens. All of the programs have auditory scans for students with visual impairments.

Each program accepts input from the mouse, IntelliKeys, Key Largo, TouchWindow, or single switch. Overlays for IntelliKeys and Key Largo are available.

Product Name: MY HOUSE: Language Activities of Daily Living

Vendor: Laureate Learning Systems, Inc.

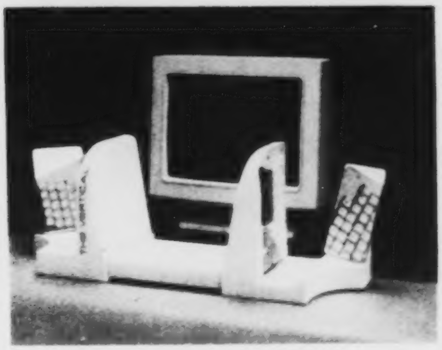
Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $175.00 - $200.00

MY HOUSE: Language Activities of Daily Living is a functional language stimulation program. The program, which has speech output, includes six scenes which represent typical rooms of a house, and four activities within each room. In the Discover Labels and Discover Functions activities, the user selects an object within the room, and the computer speaks its label or function respectively. In the Identify Labels and Identify Functions activities, the computer prompts the user to find various objects according to their label or function. Interface options include the standard keyboard, TouchWindow (extra; see entry) or a single switch (extra).

The Apple II version ($175.00) requires 64K of memory, a monitor, an Echo II speech synthesizer (see entry), and a 5.25" disk drive. The Apple IIgs version ($200.00) requires one 3.5" disk drive and 1 MB of RAM. The IBM version requires 640K memory,a speech synthesizer, and a disk drive. The Macintosh version ($200.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM. A TouchWindow (see entry) and color monitor are recommended.



Product Name: Vertical

Vendor: Ergonomic-Interface Keyboard Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Size: 16" x 6" x 5"

Weight: 24 oz.

Cost: $249.00

The Vertical is a keyboard designed to prevent carpal tunnel syndrome and other repetitive motion injuries. The keyboard is split in two halves, each pointing straight up. Side-view mirrors are installed to allow users to see their fingers on the keys. The user can adjust the width of the keyboard, but not the tilt of each section. The Vertical eliminates the need for a mouse with a finger-accessible cursor control.

No Photograph Available

Product Name: Voice Mouse/Keyboard (VMK) Controller

Vendor: Quartet Technology, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

The Voice Mouse/Keyboard (VMK) Controller is a system designed to provide complete voice interface allowing full control of both keyboard and mouse functions for any IBM compatible PC. At spoken command the VMK can perform a variety of functions including: start and stop mouse movement, select any direction for the mouse, click mouse buttons, select any key on keyboard, etc. VMK is operating system independent and does not require any special software to be installed on the computer.

481

Product Name: Voice User

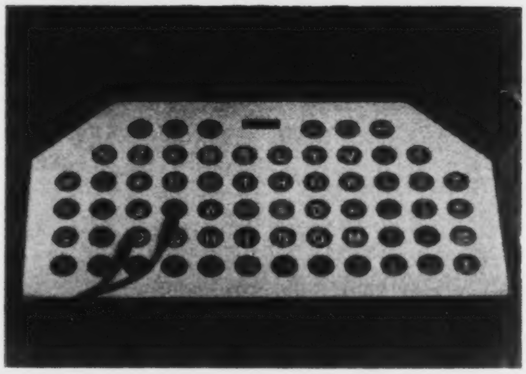
Vendor: Cylogic, Inc.

Computer: IBM PC Family

Cost: $49.00

Voice User is a voice recognition system that provides voice command access for Microsoft Windows and popular Windows word processors: MS Write, AmiPro 3.1, MS Works 3.0, WindowWorks 2.0, WordPerfect 5.2 & 6.0, and Microsoft Word 2.0 & 6.0. Voice User features speaker-independent commands for such functions as "open file," "spellcheck," "print," "close window," and others. The system only allows for voice commands and does not offer data input. Voice User is a software-only product that runs on the Microsoft Windows Sound System (see entry).

System requirements for Voice User include: Microsoft Windows and Windows Sound System with a Sound Blaster-compatible sound card, 8 MB of RAM, and up to 4.5 MB of available disk space.



Product Name: WinKing Keyboard (2448F, 2448Q)

Vendor: TASH, Inc.

Computer: IBM PC Family

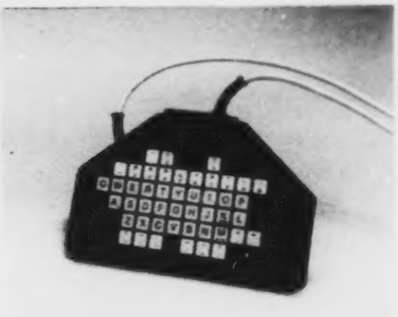
Size: 23.5" x 12" x 1"

Weight: 7 lbs.

Cost: $900.00

The WinKing Keyboard has separated and enlarged keys that are slightly recessed, allowing the user to stabilize their arm or leg on the keyboard without activating keys. When activated, the keys provide an audible click as feedback. User may set key response time from 0 to 2 seconds. Latching CTRL, ALT, SHIFT, and function key modes are indicated by lights. Key presses are auto-repeating after an adjustable delay. The keyboard can be operated simultaneously with a standard keyboard. The device plugs directly into an IBM/compatible computer's keyboard port and serial port. Does all keyboard and mouse functions in MS-DOS or Microsoft Windows.

Two layouts are available: frequency of use (the most frequently used letters are placed toward the center of the keyboard) and standard QWERTY.



Product Name: WinMini Keyboard (2447F, 2447Q)

Vendor: TASH, Inc.

Computer: IBM PC Family

Cost: $750.00

WinMini Keyboard provides all keyboard and mouse functions for using Microsoft Windows in a small size with a very light touch. The keyboard plugs directly into the computer keyboard port and serial port.

Two layouts are available: frequency of use (the most frequently-used characters are placed toward the center of the keyboard) and standard QWERTY. A Microsoft Mouse Driver is required.

Product Name: WiViK 2.0 (Windows Visual Keyboard)

Vendor: Prentke Romich Company

Computer: IBM PC Family, IBM PS/2 Family

Cost: $290.00 - $415.00

WiViK 2.0 is a software program which provides the user with an on-screen keyboard. This display enables to the user to enter text into any application within the Microsoft Windows environment with any pointing device that emulates a standard mouse. The program may be customized for key arrangment, width, lables, label fonts, and spacing. Macro abbreviations of text can be defined by the user. Multiple keyboards can be displayed at one time. The standard keyboard and mouse are unaffected by the use of a visual keyboard. WiViK also has sticky key and quick shift features. Specific features which provide support for touchscreen and headpointer applications are included as well. A direct selection technique called Successive Quartering and Enlargement is designed to aid persons with poor pointing skills and low vision by repeatedly enlarging and redrawing quarter segments of the keyboard.

WiVik2 Scan permits the user to enter text and perform mouse operations using from one to five switches. An optional Writing Rate Enhancement Package (WREP) is available for both versions with word prediction and abbreviation expansion to improve entry speed.

483

Chapter 13

Input Adapters for Computers

This chapter covers special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Related functions cross-listed in Index 1 include Keyboard Emulating Interface (KE) and Switch or Control (SW).

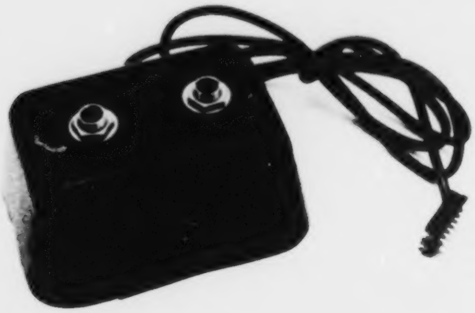
Appendices A and B provide a wide variety of resources of interest to disabled computer users, such as Newsletters and Publications; Organizations; Advocacy Groups and Self-Help Groups; and Books and Pamphlets.

The following product entries appear in this chapter:

Apple Computer Input Adapter, *453*
BEST Switch Interface, *453*
ClickIt!, *454*
Computer Interface Box, *454*
Computer Switch Interface, *455*
CrossScanner, *455*
DA-II Adapter, *456*
Input Adapter, *456*
Internal I/O Port Adapter, *457*
Judy Lynn PC Adapter, *457*
Keyboard Expander, *458*
Keyboard Interfaces, *458*
Mac PowerPad Interface for Single Switches, *459*
Macintosh Switch Interface (M09), *459*
PCMaster & Windows Master, *460*
PlayMAGIC, *460*
Porter, The, *461*
PowerSwitch, *461*
SS-ACCESS!, *462*
SuperPort, *462*
Switch Interface, *463*
T-TAM Keyboard and Mouse Emulator, *463*
Universal Input Adaptor, *464*
WinSCAN: Limited Edition, *464*

The following products from other chapters can also be used as Input Adapters for Computers:

Access Pack for Microsoft Windows, *331*
AccessDOS, *332*
Adaptive Firmware Card Model G32e, *374*
One Access, *427*
SynPhonix 210 and 215, *536*



Product Name: Apple Computer Input Adapter

Vendor: Toys for Special Children, Inc.

Computer: Apple II Family

Cost: $41.00

Apple Computer Input Adapter is an adapter which allows special single or dual switches to be used with appropriate software. The Adapter accepts one or two switches and connects to the I/O port of an Apple computer.

No Photograph Available

Product Name: BEST Switch Interface

Vendor: BEST, Inc.

Computer: IBM PC Family

Cost: $125.00

BEST Switch Interface is an interface that allows from one to three switches to be connected to a computer and used in place of any three keys on the keyboard. Software is included to allow the user to define which keys the switches will activate. If desired, the Shift, Control and Alt keys can be activated.

Several programs have been written specifically to work with the BEST Switch Interface, including BEST Faces and Colors and Shapes (from BEST, Inc.) and R.J. Cooper's single switch software. The product comes with four public domain game programs for use with three switches.

Product Name: ClickIt!

Vendor: IntelliTools, Inc.

Computer: Apple Macintosh Family

Cost: $99.95

ClickIt! is a software program for the Macintosh computer that allows the IntelliKeys (see entry) or switches to operate mouse driven software. The program creates "hot spots" on the screen that can be scanned with a switch or accessed directly by touching an IntelliKeys overlay. Three scanning modes are included: automatic scan, step scan, and directional scan. "Hot spots" can be created and edited within the program.

A switch interface for attaching switches to the computer is required.

No Photograph Available

Product Name: Computer Interface Box

Vendor: Nassau Applied Technology Resource Center

Computer: Apple II Family

Cost: $42.00

Computer Interface Box allows a switch to be attached to an Apple II, Apple IIe, or Apple IIgs computer.

No Photograph Available

Product Name: Computer Switch Interface

Vendor: AbleNet, Inc.

Computer: Apple II Family

Size: 2" x 2.75"

Weight: 3 oz.

Cost: $36.00

Computer Switch Interface is an adapter that allows one or two switches to be connected to an Apple II computer via its game port, like a joystick. The switches need to have mini-phone plugs, and the output connector is a 9-pin D game port connector. An adapter is also available to adapt the output connector to the older 16-pin internal game port connector in Apple II computers.

The Computer Switch Interface is meant to be used with software that accepts input from one or two switches.

Product Name: CrossScanner

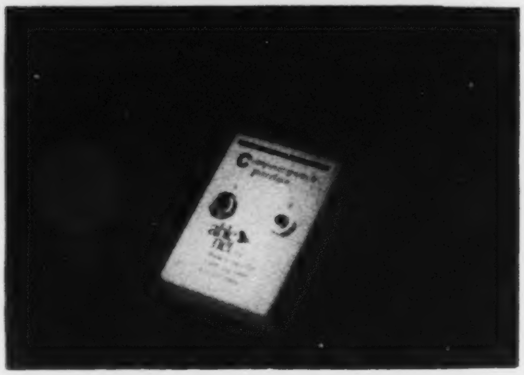
Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family, IBM PC Family

Cost: $199.00

CrossScanner is a universal way to run any software including mouse operations and text entry by single switch or any pointing device. In single switch mode, a single switch plugged into any device capable of producing a mouse-click, such as SAM (see entry), can perform all mouse moves and clicks. In direct select mode, a mouse, joystick, or trackball, allows the user to do the same. The user interface is intuitive and all operation is supervisor-controllable to adapt CrossScanner to the needs of the user.

CrossScanner is available for Macintosh and Microsoft Windows.



Product Name: DA-II Adapter

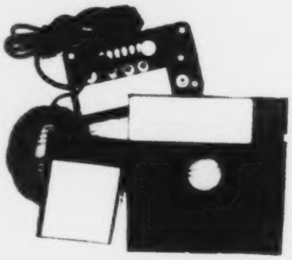
Vendor: APT Technology, Inc.

Computer: Apple II Family

Cost: $225.00

DA-II Adapter allows DU-IT proportional controllers to be connected into the game input of an Apple II computer. The DA-II can also serve as the input for some games, simulations, or graphically driven programs. The selector switch of the connected controller can be routed to either the Switch Out (SWO) or Switch In (SWI) inputs of the computer, and there are jacks so that other switches can be connected to these inputs.

The DA-II package includes the adapter, BCPS power supply, and a Proportional Simulations program that allows the user to simulate various DU-IT processes and products.



Product Name: Input Adapter

Vendor: Life Science Associates

Computer: Apple II Family, IBM PC Family

Cost: $99.00

The Input Adapter plugs into the game port of Apple II or IBM-PC family computers to permit switch input to computer programs. Four mini phone-plug sockets for plugging in switches are located on the interface box. The Input Adapter was designed to work with Life Science Associates' computer programs, but may be used with other applications requiring switch input.

489

No Photograph Available

Product Name: Internal I/O Port Adapter

Vendor: AbleNet, Inc.

Computer: Apple II Family

Cost: $13.00

The Internal I/O Port Adapter is a converting cable designed to provide a 9-pin joystick port for Apple II+ and older model computers which do not have such a port.

Product Name: Judy Lynn PC Adapter

Vendor: Judy Lynn Software

Computer: IBM PC Family, IBM PS/2 Family

Cost: $23.00

The Judy Lynn PC Adapter connects a single switch to the computer and allows all Judy Lynn software to be run with a switch. Adapters are available for hooking into a 25 pin serial port, a 9 pin serial port, or a 15 pin game port. The adapters can also have either a 1/4" or 1/8" plug for attachment to the switch.

Product Name: Keyboard Expander

Vendor: Neil Squire Foundation

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $340.00

The Keyboard Expander is a software and hardware combination that permits customization and redefinition of keys on any expanded keyboard. The Keyboard Expander also permits user definition of the amount of time that a user needs to hold down a key before it repeats and before it produces a letter on the screen. The software component is memory-resident; the hardware consists of a specially designed half-length card that fits inside the computer. The software can hold 9 keyboard layouts in its memory at one time, allowing up to 1,152 keys and/or messages on a Unicorn keyboard (see entry) and 576 keys and/or messages on a TASH Mini keyboard (see entry). The software can define both keyboard keys or messages on the same keyboard layout, and works in all text and graphic modes.

The system requires 64K of memory. A cable is supplied for connecting a Unicorn or Mini keyboard to the Keyboard Expander.

Product Name: Keyboard Interfaces

Vendor: Prentke Romich Company

Computer: Apple II Family, IBM PC Family

Cost: $455.00

Keyboard Interfaces are adaptive devices that accept ASCII characters from some input device (such as an electronic communication aid) and translate them into signals that a computer will interpret as keystrokes from a standard keyboard (see glossary: keyboard emulating interface). The standard keyboard can remain active while the interface is connected.

No Photograph Available

Product Name: Mac PowerPad Interface for Single Switches

Vendor: Dunamis, Inc.

Computer: Apple Macintosh Family

Cost: $250.00

The Mac PowerPad Interface for Single Switches features two input jacks for single switch access to HyperStudio stacks when using The Stack Shop software. There are also two output jacks designed for battery operated toys. In addition, the interface allows any PowerPad to work with HyperStudio and HyperCard software.

Requires a Macintosh with serial port, hard drive, and HyperStudio 2.x software.

Product Name: Macintosh Switch Interface (M09)

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $135.00

The Macintosh Switch Interface can be used to substitute single switch activations for mouse clicks or the numbers 1, 2, 3, and 0. The interface plugs into a Macintosh's ADB port. Up to four switches may be plugged into the device and used for numbers 1, 2, 3, and 0. An additional switch may be plugged in to emulate a mouse click. The device will send Open Apple and Closed Apple commands to run single switch Macintosh programs or Apple IIe programs when run on a Macintosh LC in Apple IIe emulation mode.

Product Name: PCMaster & Windows Master

Vendor: Blazie Engineering

Computer: IBM PC Family

Cost: $395.00 - $495.00

PCMaster & Windows Master are software programs that allow control of the PC through Braille 'n Speak, Braille Lite, or Type 'n Speak (see entries). These programs allow the user to type Grade 2 braille directly into the word processor or editor and to have the computer screen contents read through the device's synthesizer.

PCMaster costs $395.00 and Windows Master costs $495.00.

No Photograph Available

Product Name: PlayMAGIC

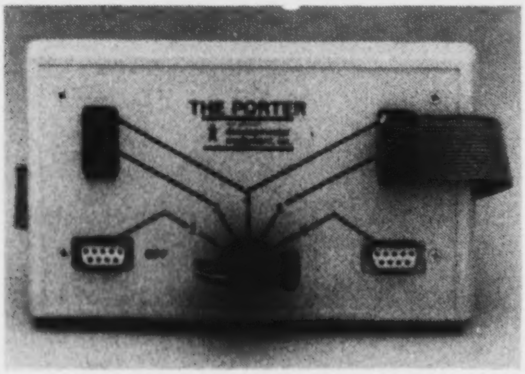
Vendor: Toys for Special Children, Inc.

Computer: Nintendo

Cost: $115.00

PlayMAGIC is an input adapter that allows users to access the Nintendo Entertainment System (NES) with any type of switch. No modifications are neccessary to the existing NES and the regular controllers can still be utilized. Several modes of operation can be used at the same time including start/select alternating mode, controlling action mode, latched mode, and regular controller mode.

PlayMAGIC does not work with Super Nintendo Entertainment System.



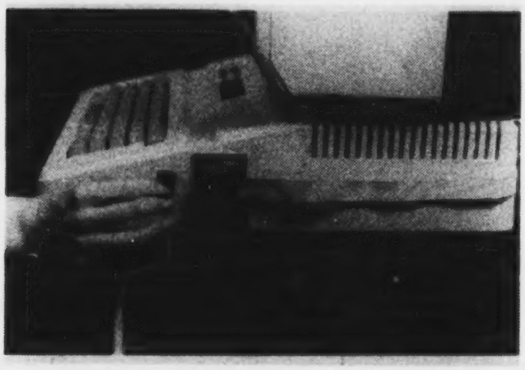
Product Name: Porter, The

Vendor: Don Johnston Incorporated

Computer: Apple II Family

Cost: $99.50

The Porter is a multi-port extender enabling up to four alternative input devices to be attached to the computer simultaneously. The Porter has two 16-pin game input/output ports and two 9-pin joystick ports. A dial selector allows access to peripherals such as joysticks, KoalaPad, TouchWindow, Muppet Learning Keys, and Switch Interfaces (see entries).



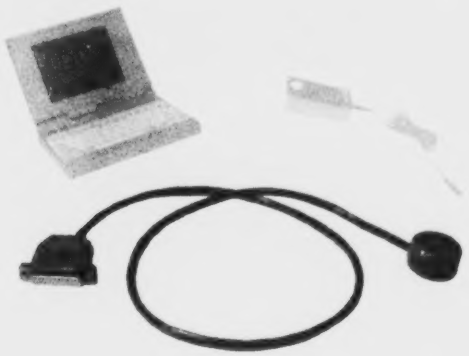
Product Name: PowerSwitch

Vendor: Dunamis, Inc.

Computer: IBM PC Family

Cost: $99.95

PowerSwitch is a four-plug switch interface box and software that allows standard IBM software to be run from up to four single switches. The user can design specific learning activities by defining single switch buttons that represent keystrokes and mouse movements. Buttons can include macros, mouse clicks, auditory feedback, and more.



Product Name: SS-ACCESS!

Vendor: Academic Software, Inc.

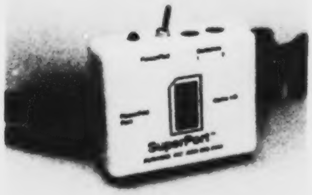
Computer: IBM PC Family

Weight: 4 oz.

Cost: $60.00

SS-ACCESS! is a single switch PC serial interface with support software designed for IBM and MS-DOS 3.3 and higher operating systems. The device also functions when running in a DOS partition under Microsoft Windows. A user-defined keyboard character is sent to a DOS single switch application each time the user presses the switch. Most single switch software packages that allow the keyboard to emulate the switch are compatible with this mode of access. The support software includes a setup program designed to be user-friendly and a demonstration game.

SS-ACCESS! is available with either a 9-pin serial port connector (for laptops) or a 25-pin conncetor (for desktops). The adaptive switch port accepts a standard 3.5 mm (1/8") phone plug.



Product Name: SuperPort

Vendor: Dunamis, Inc.

Computer: Apple II Family

Cost: $59.95

SuperPort is an Apple II interface for the PowerPad and single switches, featuring a sturdy 9-pin PowerPad cable. SuperPort is also a switch interface box with two switch jacks. The device has been designed to reduce the possibility for broken PowerPad cable pins.

Requires an Apple IIe or IIgs, PowerPad, and PowerPad software.

495

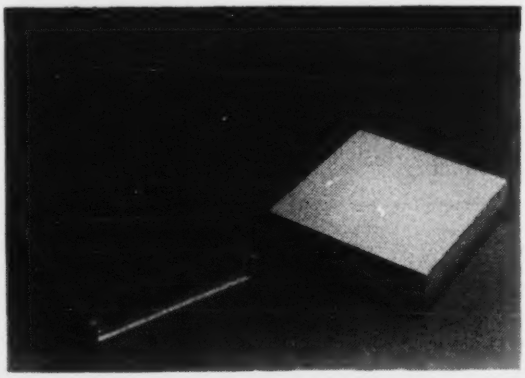
Product Name: Switch Interface

Vendor: Don Johnston Incorporated

Computer: Apple II Family

Cost: $42.00

The Apple Switch Interface allows one or two switches to be used with software written for single switch input. Can be used with any Apple II computer and with a Macintosh LC with an Apple IIe emulator card.



Product Name: T-TAM Keyboard and Mouse Emulator

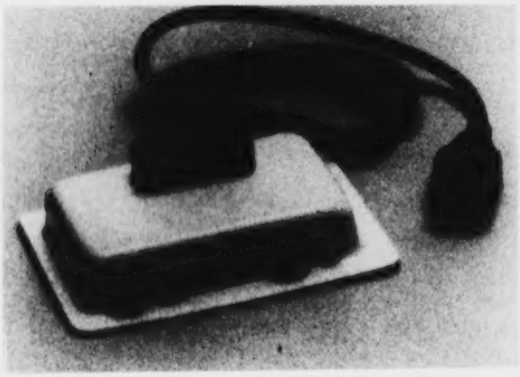
Vendor: Prentke Romich Company

Computer: Apple Macintosh Family, IBM PC AT, IBM PS/2 Family

Cost: Contact manufacturer

The T-TAM (Trace Transparent Access Module) is a box which connects between a computer access aid and the computer. The box translates signals transmitted via the aid's serial port into keyboard or mouse emulating signals, and passes these signals to the computer. In addition to this "SerialKeys" feature, the T-TAM also provides enhancement features for users of the standard keyboard and mouse: StickeyKeys (latching or locking of the "modifier" keys such as Shift, Control, Alternate, and Command), RepeatKeys (adjustment for both the amount of time a key is held down until it starts to repeat and the key repeat rate), SlowKeys (user-definable length of time a key is held down before the keystroke is registered by the computer), MouseKeys (cursor control capability via the keyboard's numeric keypad), and ToggleKeys (audible tones representing the status of the Caps Lock, Scroll Lock, and Num Lock keys).

The T-TAM can be used with all software or operating systems (including Microsoft Windows, DOS, and OS/2) that use the standard keyboard or mouse. The standard keyboard and mouse may be used while T-TAM is connected.



Product Name: Universal Input Adaptor

Vendor: Toys for Special Children, Inc.

Computer: Apple II Family

Cost: $46.00

Universal Input Adaptor is an adaptor that allows a variety of controls to be connected to a computer's game port. There are two 1/8" mini-phone jacks and two 1/4" phone jacks for plugging in switches. The Universal Input Adaptor also accepts input from joysticks. The output connectors can either be 16-pin connectors (for the Apple II+) or 9-pin connectors (for the Apple IIe or IIc).

Product Name: WinSCAN: Limited Edition

Vendor: Academic Software, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $295.00

WinSCAN: Limited Edition is a general purpose interface that provides single-switch users independent control access to applications that run under Microsoft Windows. WinSCAN superimposes a scanning control display window in front of an application program running under Windows. This display may contain either words or picture icons to represent the functions needed to navigate Windows and operate specific software. The display can scan at an adjustable rate vertically or horizontally and can be repositioned anywhere. Custom control displays can be created for particular programs, printed out, and saved on disk for later use or further editing. This edition of WinSCAN offers up to 16 user definable "scan key" positions plus other built-in pop-up scanning controls for functions such as dragging. A library of 60 picture icons representing commonly needed keyboard and mouse functions is included.

WinSCAN works with the SS-ACCESS! (see entry) single-switch PC serial interface cable, which is included.

Chapter 14

Voice-Output Screen Readers and Reading Machines

This chapter includes software or software/hardware products which provide access to standard software through voice output. Optical Character Recognition (OCR) reading systems with voice output are also included in this chapter. The products in this chapter are designed to work with all or most software on the computer. A word processing program with voice output would not appear here because it is only a single application program.

Products that are strictly speech synthesizers are not found here but are listed in Chapter 17. Some of the software screen readers require speech synthesizers to be purchased separately.

Some pertinent resource listings in Appendices A and B are: Information Resources for Blind and Visually Impaired Individuals; Computer Assessment and Training Programs for Disabled Individuals; and Books and Pamphlets.

The following product entries appear in this chapter:

Artic TransBook, *467*
Artic TransType, *467*
ASAP (Automatic Speech Access Program), *468*
BookWise, *468*
Braille 'n Speak, *469*
Braille 'n Speak Classic, *469*
Braille Lite, *470*
BrailleMate 2, *470*
Business Vision, *471*
David, *471*
Echo II with Textalker & Echo II with Textalker-GS, *472*
Emacspeak, *472*
Gizmo, *473*
HandiCHAT and HandiCHAT Deluxe, *473*
IBM Screen Reader/2, *474*
IBM Screen Reader/DOS, *474*
Infovox 210, *475*
JAWS for Windows, *475*
JAWS Screenreader, *476*
Keynote Companion, *476*
Language Master Special Edition - LM6000SE, *477*
Magnum, *477*
Myna, *478*
Open Book, *478*
Open Book Unbound, *479*
outSPOKEN 1.7, *479*
outSPOKEN for Windows, *480*
Protalk23 for Windows, *480*
PROVOX, *481*
Reading AdvantEdge, *481*
ScanTELL, *482*
ScreenPower, *482*
ScreenPower for Windows, *483*
Seekline, *483*
Slimware, *484*
Slimware Window Bridge, *484*
SoundProof, *485*
Speaqualizer Speech Access System, *485*
Textalker-GS, *486*
Tinytalk, *486*
Type 'n Speak, *487*
Vocal-Eyes, *487*
Win Vision, *488*
Window-Eyes, *488*
WINKLiNE, *489*
WordScholar, *489*

The following products from other chapters can also be used as Voice-Output Screen Readers or Reading Machines:

PCMaster & Windows Master, *460*
Speak Out VOILA, *440*

No Photograph Available

Product Name: Artic TransBook

Vendor: Artic Technologies

Size: 4.12" x 7.5" x 0.75"

Weight: Less than 1 lb.

Power Source: Rechargeable batteries

Cost: $1,195.00 - $1,945.00

Artic TransBook is a portable book file reader and speech synthesizer. Documents can be downloaded into TransBook's RAM disk or Micro Flash data cards and read anywhere using the built-in keypad. TransBook is compatible with Artic TransPort and all popular screen access programs. Other features include a talking alarm clock, fast file transfer, digital volume and tone control, 256K RAM for system and user RAM disk, and 512K ROM for system and ROM disk for access programs.

Model 631 is the standard TransBook and sells for $1,195. Model 635 includes BusinessVision and sells for $1,595. With BusinessVision and WinVision: $1,945.

No Photograph Available

Product Name: Artic TransType

Vendor: Artic Technologies

Size: 10.2" x 4.2" x 1.25"

Weight: 1.5 lbs.

Power Source: Rechargeable batteries

Cost: $1,395.00 - $1,995.00

Artic TransType is a very small personal desk-top computer with a talking keyboard. Thousands of memos, names, phone numbers, projects, appointments, recipes, etc. can be stored in the internal electronic disk memory or in removable MicroFlash data cards. TransType can also act as a speech synthesizer for computer access, an alarm clock and message system, a calculator, and a computer terminal (via modem). A QWERTY keyboard with standard spacing provides comfortable touch typing. Function keys at the bottom will take the user directly to predefined files. A password and Owner ID helps keep data private.

Artic TransType BASIC is available for $1,395 and offers 1,024K of total memory. Artic TransType DELUXE is available for $1,995, offers 2,816K of total memory, and includes a full feature terminal program called TransTerm.

Product Name: ASAP (Automatic Speech Access Program)

Vendor: MicroTalk Software

Computer: IBM PC Family

Cost: $525.00 - $895.00

ASAP is a voice-output screen access program for the IBM line of computers using DOS. The program is designed to read important screen changes automatically (the movement of a highlight bar for example). Other features of ASAP include the ability to read text without using a "review mode," tracking of user-definable text attributes and automatic loading of custom configurations for computer programs. The program requires less than 35 of RAM and can be "loaded high."

Three versions of ASAP are available. ASAP Soft ($525.00) is the software only. ASAP Lite ($795.00) includes the software and a portable battery operated synthesizer that connects to any computer with a serial or parallel port. ASAP Classic ($895.00) includes the software and a speech synthesizer that fits into one of the slots on a standard XT- or AT-style computer.

Product Name: BookWise

Vendor: Xerox Imaging Systems, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $4,495.00 - $7,295.00

BookWise is a PC-based reading and tutoring system. BookWise scans books or other printed materials, recognizes the characters, and simultaneously displays the text on the computer screen and reads it aloud in synthesized speech. Documents to be read are placed on a scanner and the text is stored on a personal computer. The BookWise software offers several features designed for people who have reading impairments. A visual tracking feature highlights words, phrases or sentences on the computer screen as the synthesized voice is reading them. The user can also at any time hear and see definitions of words, or hear words spelled out or pronounced syllable by syllable. BookWise offers a choice of nine different voices.

BookWise is available in three different packages: (1) Bookwise software with DECtalk speech synthesizer and BookEdge scanner; (2) BookWise software with DECtalk and flatbed scanner; (3) BookWise software with DECtalk for those who already have a scanner.

Braille 'n Speak

Product Name: Braille 'n Speak

Vendor: Blazie Engineering

Computer: IBM PC Family

Size: 8" x 4" x 1"

Weight: 1 lb.

Cost: $1,299.00 - $1,399.00

The Braille 'n Speak is a portable talking and writing device with a braille keyboard. The user can type text in the same manner as on a braille writer, and review the text with the Braille 'n Speak's built-in speech synthesizer. Storage for 800 pages of braille in up to 77 files is included. The user can recall, review and edit these stored files. Text can also be transferred to a stationary computer or printer via the Braille 'n Speak's built-in serial port (up to 9600 baud). Text can be typed in Grade 2 braille and automatically translated into standard spelling for printing. A talking clock, calendar and calculator are provided. Word processing capabilities, including spell check, and the ability to run external software are also included.

Braille 'n Speak is powered by rechargeable nickel-cadmium batteries, and comes with a battery charger and headphones. The following eleven languages are available: Czech, French, German, Italian, Japanese, Korean, Portuguese, Slovak, Spanish, and Turkish. PC Master, a software program that allows the Braille 'n Speak to function as an alternate keyboard and screen review system for an IBM PC, is available for $395.00.

No Photograph Available

Product Name: Braille 'n Speak Classic

Vendor: American Printing House for the Blind (APH)

Size: 8.13" x 4.13" x 0.875"

Weight: 13.5 oz.

Power Source: Rechargeable battery

Cost: $924.95

Braille 'n Speak Classic is designed to be an introductory level version of the Braille 'n Speak (see entry). The device has speech output and accepts input through the integrated seven-key braille keyboard. Some of the built-in functions include: a word processing program that can hold up to 40 word processor files in Grade 2 braille or ASCII braille, a word processor file organizing system, a talking telephone directory, capabilities to connect to a printer or braille embosser and automated Grade 2 braille-to-print translation, a talking clock and calendar, a scientific calculator, a talking computer terminal, and a battery powered speech synthesizer.

Braille 'n Speak Classic includes a soft leather carrying case and a cassette tape tutorial.

No Photograph Available

Product Name: Braille Lite

Vendor: Blazie Engineering

Size: 8.25" x 5" x 1.75"

Weight: 2 lbs.

Power Source: Rechargeable battery

Cost: $3,395.00 - $3,495.00

Braille Lite is a speaking personal data assistant with an 18-cell refreshable braille display. Major features include a braille keyboard and simple command structure, adjustable speech synthesizer, storage for 800 pages of braille, print output, clock, calendar, telephone directory, calculator, and word processing. In addition, Braille Lite supports external software and has serial and parallel ports for interfacing. Included accessories are a soft leather carrying case, batter charger and AC adapter, earphone, serial interface cable, cassette tutorial, and braille quick-reference guide.

Braille Lite is available in English and ten other languages.

Product Name: BrailleMate 2

Vendor: TeleSensory Corporation

Computer: All (Hardware Independent)

Size: 3.75" x 8.25" x 1.25"

Power Source: Rechargeable battery

Cost: $1,595.00

BrailleMate 2 is a portable hand-held braille computer featuring an 8-key braille keyboard, one 8-dot braille cell and a built-in speech synthesizer. The unit includes a word processor, calculator, telephone book and calendar. The BrailleMate has two serial ports and one parallel port for connecting to other devices such as computers, modems and printers. The BrailleMate can be connected with PowerBraille 40, 65, or 80 (see entry) to provide split or extended braille information.

The BrailleMate is powered by built-in rechargeable batteries and comes with an AC power adapter. The device's storage capacity can be increased with an optional memory card (extra). Contact TeleSensory for more details.

Product Name: Business Vision

Vendor: Artic Technologies

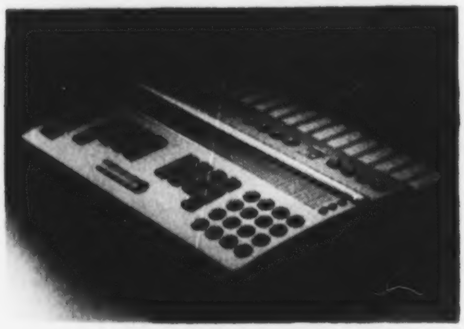
Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00

Business Vision is a screen-to-voice program that contains all the features of Artic Vision (see entry) plus additional features for use with spreadsheet programs. Features include: speech access to matrix entries, cell definitions, row and column titles, and menu entries; ten user-definable Smart Zones for direct screen monitoring, with twenty controls each for monitoring and responding to changes within each Smart Zone; a key macro facility for supporting advanced constructs such as IF-THEN-ELSE; ability to "chain" Speech Windows (allowing one to call another); and Pop-Trax, which allows automatic location of pop-up menus on the screen. A built-in talking calculator offers four function operation and ten levels of memory to allow the user to review previous entries.

Business Vision D/K is a special version of this product designed for use with DECtalk and compatible speech synthesizers. An IBM PC or PS/2 computer with 256K of memory is the minimal suggested computer configuration for running either version of Business Vision. Price is for Business Vision alone; cost is $395 when purchased with synthesizer.



Product Name: David

Vendor: TeleSensory Corporation

Size: 12.8" x 10" x 2.6"

Weight: 7.9 Lbs.

Power Source: Rechargeable batteries

Cost: Contact manufacturer

David is a notebook computer designed especially for blind users incorporating tactile braille, synthetic speech, and other features. David is designed around an Intel 486 microprocessor and features 8MB RAM, a hard drive, 1.44MB diskette drive, serial and parallel interfaces, and battery operation. A 16-key pad can be used to control as many as 15 layers of commands. A large variety of macros and functions can be assigned to any control button. Braille keyboard, display navigation keys, and mode switches provide expanded capability.

An optional VGA monitor and/or standard QWERTY keyboard can be connected. The David Pro features a high-quality speech synthesizer, a larger hard drive, and special access software.

No Photograph Available

Product Name: Echo II with Textalker & Echo II with Textalker-GS

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Cost: $145.55 - $155.95

Echo II with Textalker and Echo II with Textalker-GS are integrated speech synthesis systems including both hardware and text-to-speech software. The Textalker software operates in the background and allows many public domain and non-copy protected programs to talk. Pitch, volume, rate of speech, amount of punctuation spoken, and others can be controlled from the keyboard. The software works with either ProDOS or DOS 3.3. Textalker-GS ($155.95) also has the following features: works with most programs that are text-based including many commercial programs, a Quick Review that allows the user to review the screen without going into the review mode, compatibility with several operating systems including ProDOS8, DOS 3.3, GS/OS, and Pascal.

Echo II with Textalker requires a 5.25" disk drive, an Apple II+, IIe, or IIgs with at least 64K RAM for DOS 3.3 and 128K RAM for ProDOS. Echo II with Textalker-GS requires a 3.5" disk drive and an Apple IIgs with at least 512K RAM.

Product Name: Emacspeak

Vendor: T.V. Raman

Computer: IBM PC Family

Cost: Free

Emacspeak is a speech output system designed to allow individuals who cannot see the computer screen to work directly on a UNIX system. Emacspeak is built on top of Emacs and provides spoken feedback for all actions. The program currently supports the new Dectalk Express speech synthesizers and older versions such as MultiVoice. Emacspeak currently has extensions for many Emacs subsystems including: W3, GNUS, VM, and Eterm.

Emacspeak is available to be downloaded from the following sites: ftp://crl.dec.com/pub/digital/emacspeak/emacspeak.tar.gz; or http://www.research.digital.com/CRL/personal/raman/emacspeak/emacspeak.tar.gz.

No Photograph Available

Product Name: Gizmo

Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Family

Size: 4" x 5"

Weight: 0.5 lb.

Cost: $250.00 - $325.00

Gizmo is a control pad for operating screen reading and screen enlargement software. The surface of the pad has control buttons for Artic Vision and Business Vision screen readers and Artic Focus screen enlargement software (see separate entries). Gizmo eliminates the need to use the standard keyboard on the computer to control access software. This can help with access when other software running on the computer (such as terminal emulation software) takes control of the keyboard. Gizmo can also use Business Vision's macro-creating facility to assign unique functions to keys.

Product Name: HandiCHAT and HandiCHAT Deluxe

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $149.00 - $295.00

HandiCHAT is a speech output program that may be run simultaneously with application programs. Two modes of operation are available. The first permits the user to use a pop-up window to enter text that is then immediately spoken (and not saved). The window may be defined as having between six and twenty lines. The other mode is used to speak some or all of the text on the PC screen. Options are: speaking the word or sentence at the cursor, speaking from the beginning of the line to the cursor, or speaking the entire contents of the screen. HandiCHAT is evoked via a user-defined "hot key" on the keyboard.

HandiCHAT ($149.00) is compatible with DECTalk, Votrax, Computalker, Covox, RealVoice, Accent, and Echo speech synthesizers. HandiCHAT Deluxe ($295.00) permits use and maintenance of a phrase library which can hold up to 1,296 phrases of 64 characters each. These phrases can be accessed by using a mouse, trackball, headmouse, or keyboard. Phrases may be combined, and may be assigned to macros which can then be accessed by pressing two keys. Both versions work with graphics programs.

Product Name: IBM Screen Reader/2

Vendor: IBM Corporation

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual,
Braille/Tactile Manual, Electronic Manual

Cost: $700.00

IBM Screen Reader/2 is a system that enables the user to read computer screen information using a speech synthesizer. The program works with standard software running under the OS/2 operating system, providing blind computer users with access to IBM's graphical user interface (GUI). The system is also compatible with Microsoft Windows applications being run under OS/2. The user can specify how text is to be read back--by the character, word, line, sentence, paragraph, or screen. The program recognizes and verbalizes objects (icons) and the program's windowing capability allows the user to read specified areas of the screen. The Screen Reader can be controlled from the standard keyboard or from an optional 18-key keypad. Profile Access Language software allows the user to specify custom sets of Screen Reader commands (profiles) for particular applications.

Information about this product can be obtained from (800) 426-4832 (U.S. voice) or (800) 426-3833 (U.S. TDD). It may be ordered by calling (800) 426-7630 (U.S. voice) or (800) 426-3383 (U.S. TDD). Canadian ordering and information is handled at (800) 465-7999.

Product Name: IBM Screen Reader/DOS

Vendor: IBM Corporation

Computer: IBM PC Family

Manual Form: Audiotape Manual,
Braille/Tactile Manual, Electronic Manual

Cost: $600.00

Screen Reader/DOS is a system that enables the user to read computer screen information using a speech synthesizer. The Screen Reader works with standard commercially available software that runs under DOS. Using a special keypad or the standard keyboard, the user can specify what part of the screen is to be read back, and how it is to be read back--by the character, word, line, sentence, paragraph, partial screen or full screen. An "autospeak" feature monitors the screen and alerts the user when changes occur. A "windowing" capability allows the user can read a specified "box" of text. Profile Access Language software allows the user to specify custom sets of Screen Reader commands (profiles) tailored for particular application software.

The Screen Reader provides access to the IBM PC family. The system consists of the keypad, special software, and documentation. A speech synthesizer is required. Information about this product may be obtained by calling (800) 426-4832 (U.S. voice) or (800) 426-3833 (U.S. TDD). It can be ordered from (800) 426-7630 (U.S. voice) or (800) 426-3383 (U.S. TDD). Canadian ordering and information is handled at (800) 465-7999.

Product Name: Infovox 210

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Family

Cost: $363.00 - $873.00

Infovox 210 is a software program which allows Speaking Dynamically or other speech-output programs to output text-to-speech in many languages. One base program must be purchased for $274.00 and the individual languages in addition. Languages available are: British English ($89.00), Spanish, Italian, British English - Professional ($189.00), Finnish ($199.00), French ($329.00), German ($459.00), Swedish, Danish, Norwegian, and Icelandic ($599.00).

Product Name: JAWS for Windows

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family

Cost: $795.00

JAWS for Windows is a screen reader program providing voice output access to screen information in Microsoft Windows applications. JFW offers a complete menu system to control every aspect of the screen reader with a manager that is available at any time from any program. A feature called the Wizard provides built-in helpers that pop-up at the touch of a key and give a text name to graphic symbols it encounters in the application.

JFW supports the most popular speech synthesizers including DECtalk, Accent, Doubletalk, Keynote Gold, Infovox, Audapter, and many others. Other system requirements include a 396 or better microprocessor, 4 MB of RAM, and Windows or Windows for Workgroups.

Product Name: JAWS Screenreader

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00

JAWS (Job Access with Speech) Screenreader is a screen access program that gives users voice output access to computer software. JAWS works with most speech synthesizers. Features of JAWS include a dual cursor design (a JAWS cursor is always available for screen review), macro recording, audible and visible Lotus 1-2-3-style menus, ability to use the keypad for single handed operation, windows for selective screen reading, detection and automatic speaking of many screen changes, variable voice configurations, automatic loading of custom configuration files and a "help mode."

A Braille version of the JAWS manual is available; contact manufacturer for details.

Product Name: Keynote Companion

Vendor: HumanWare, Inc.

Cost: $1,995.00

Keynote Companion is a portable information management system designed especially for people who are blind or visually impaired. Keynote has built in software that allows the user to write with attractive layouts and typestyles, check spelling and make corrections with the aid of spoken suggestions, perform simple or complex scientific calculations, schedule or review appointments, set alarms, enter or retrieve addresses or telephone numbers, and access remote databases, bulletin boards, and electronic mail networks. Keynote can also work as an external synthesizer to a PC running Keysoft. Most computer printers can be used.

Text 2000 is optional software that allows American Printing House textbooks to be read on Keynote. A portable ALVA Braille Terminal can also be added.

Product Name: Language Master Special Edition - LM6000SE

Vendor: Franklin Electronic Publishers, Inc.

Size: 6" x 6"

Weight: 12.2 oz.

Power Source: Battery or AC adapter

Cost: $450.00

Language Master Special Edition is a special version of the Franklin Language Master electronic dictionary, spelling and pronunciation aid. Like other speaking models of the Language Master, the special edition provides a complete dictionary which gives definitions, pronounces the words, and reads all other entry information in digitized voice. The device also provides spelling assistance, a thesaurus, grammar assistance and vocabulary games. The Special Edition has been designed for individuals who are blind or visually impaired or have learning disabilities or speech impairments. The Special Edition displays information in adjustable size print, and presents information in speech which ordinarily would have to be read from the screen. User customization allows the user to adjust a variety of functions for special needs situations. For communication, up to 26 personal messages can be stored for playback at any time, and any message can be type for immediate text-to-speech playback (synthesized voice).

Product Name: Magnum

Vendor: VisuAide

Size: 7.75" x 4.75" x 1.75"

Weight: 2.2 lbs.

Cost: $995.00

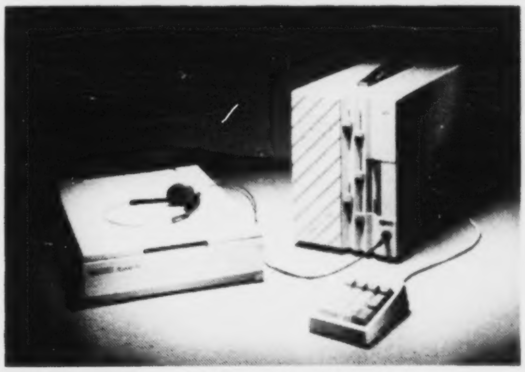
Magnum is a speech-driven personal digital assistant that stores recordings on floppy disks. The notetaking feature allows messages to be marked and accessed through a table of contents. Other features include an agenda and reminder function, an address book, various utilities, and braille keyboard entry. The device has an integrated microphone and speaker plus external microphone and speaker jacks.

Available options include: carrying bag, microphone and earphone.

Product Name: Myna
Vendor: TFi Engineering
Computer: IBM PC Family
Size: 9.6" x 4.7" x 1.16"
Weight: 1.2 lbs.
Cost: $2,395.00

Myna is a talking 386 palm top computer that is fully compatible with IBM PCs. An internal DECtalk synthesizer with nine voices, a built-in speaker and external headphone jack, IBM Screen Reader, and IBM Book Manager software combine to provide complete screen-to-voice output. In addition, a PC-style QWERTY keyboard with braille mode and translator allows for type or braille input. Other features include: a personal organizer (address book, phone directory with touch tone dialer, text editor, memo-taker, scheduler, etc.), 4 MB RAM & 4 MB ROM, lithium battery backup, two PCMCIA type II slots for memory and peripheral IC cards, password protection for security, interlink software for data transfer, and a capability to use any screen reader and applications software.

Price includes computer, headphone, AC adapter, carrying case, full documentation, software, and one year warranty and technical support. The complete Myna plus WordPerfect on an IC card is available for $2,745.00



Product Name: Open Book
Vendor: Arkenstone, Inc.
Computer: All (Hardware Independent)
Size: 10.7" x 7.5" x 16.7"
Weight: 18 lbs.
Cost: $4,695.00 - $5,495.00

The Open Book is an optical character recognition system which converts text pages into an electronic text file and reads them with a voice synthesizer. The system consists of a scanner, processing unit with the DECtalk speech synthesizer, and a 17-key keypad. Features of the system include automatic page orientation, automatic contrast adjustment, decolumnization of multicolumn documents and the ability to recognize a wide variety of type faces and font sizes. Text scanned with the OpenBook can be saved in the system's document library for future use. At least 25,000 pages can be stored and saved at any time.

The OpenBook is available in two models. The OpenBook Premium has a faster text recognition rate and can store more than twice as much text in the library as the Easy Edition. The Easy Edition can be upgraded to a Pentium 60 or Pentium 66 hard drive with miscellaneous components. Contact manufacturer for further details. See also entry for Open Book UnBound.

Product Name: Open Book Unbound

Vendor: Arkenstone, Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual,
Braille/Tactile Manual, Electronic Manual,
Large Print Manual

Cost: $995.00

Open Book Unbound is reading software which enables the user to read printed documents with voice output. The software provides everything necessary to make an IBM personal computer or compatible act as an optical character reader, except the hardware scanner itself. The software provides scanning capability of 350 characters per second, depending on the speed of the computer processor used. Open Book Unbound can recognize a variety of fonts, and provides automatic decolumnization, automatic constrast control, and automatic orientation detection. Text scanned with Open Book Unbound can be saved in the program's document library for future use.

Open Book Unbound is compatible with Microsoft Windows and works with many speech synthesizers.

Product Name: outSPOKEN 1.7

Vendor: Berkeley Systems, Inc.

Computer: Apple Macintosh Plus,
Apple Macintosh SE/II

Manual Form: Audiotape Manual,
Braille/Tactile Manual, Electronic Manual,
Printed Manual

Cost: $495.00

outSPOKEN is a program that provides voice output access to text-based Macintosh software, such as word processors, databases, spreadsheets, and telecommunications programs. The numeric keypad is used instead of the mouse to control the cursor. The structure and content of the entire display (e.g., icons, ruler marks, and windows) can be communicated. Other commands permit the user to move between windows, find out the font and style of the current word, control voice speed, pitch, and volume, and identify frequently-used icons and symbols. A dictionary permits the user to modify the way specific words and icons are pronounced. A "mouse-off" feature prevents the mouse or trackball from being accidentally activated. There is an optional "review mode" which allows certain right-hand keys to be outSPOKEN keys.

The manual comes in print, on a tone-indexed cassette, and on disk, and is available in Braille at no cost on request. The package also includes Braille quick reference cards and embossed sheets giving tactile representations of typical Macintosh screen elements.

Product Name: outSPOKEN for Windows

Vendor: Berkeley Systems, Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $595.00

outSPOKEN for Windows is a screen reader that converts the graphics and text of Microsoft Windows to a full speech and audio interface. outSPOKEN speaks the line, word, character, or graphic corresponding to the keyboard-driven pointer's location. Various settings allow the program to be customized to suit each user individually.

outSPOKEN for Windows works with over thirty speech synthesizers and the purchase comes with unlimited free telephone technical support.

Product Name: Protalk23 for Windows

Vendor: Biolink Computer Research and Development, LTD

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $995.00 - $2,495.00

Protalk32 for Windows is a 32 bit text to speech and/or braille output screen reading program for Microsoft Windows users. Protalk is currently compatible with most Windows and Windows for Workgroups application programs (purchase price includes lifetime free updates). Protalk32 for Windows uses multimedia sound, can support refreshable braille, mouse feedback.

Two versions are available: Protalk32 for Windows 3.1/3.11 and 95 ($995.00) and Protalk32 for Windows NT 3.5/3.51 ($2,495.00). The NT version includes an integrated magnification utility with a magnification scale of 2 to 16 times.

Product Name: PROVOX

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $295.00

PROVOX is a voice-output screen access program designed to give the computer user control of voice output in both Direct and Review modes. Once installed, PROVOX outputs most keystrokes and screen display. The user can interrupt speech output to skip over portions of screen display, cause the repetition of previously spoken output, locate the cursor, or read only highlighted areas. Other options include moving up or down the screen one line, word, or character at a time and restricting voice output to a specified window. The user can specify whether or not silent characters such as "return" or "space" are spoken.

PROVOX supports fifteen voice synthesizers; contact the manufacturer for details. A demonstration package is available. Subsequent versions will be available to licensed users at a reduced cost.

Product Name: Reading AdvantEdge

Vendor: Xerox Imaging Systems, Inc.

Computer: IBM PC Family

Cost: $795.00 - $2,995.00

The Reading AdvantEdge is an optical character recognition package that requires no additional hardware be installed in the computer (a scanner is still required). Features of the software include automatic page orientation, automatic contrast adjustment, the ability to scan multiple pages before the recognition process starts and the ability to save scanned materials in a variety of word processing formats. The software can also output the beginning of a page as text while the recognition process is taking place.

Reading AdvantEdge is compatible with Xerox's BookEdge and flatbed scanners, and most Hewlett-Packard scanners. The software requires an IBM or compatible computer with a 386 or higher processor. A software only version of the system is available for $795.00. The system is available with various scanner options for prices ranging from $1,295.00 to $2,995.00. Contact the manufacturer for more details.

Product Name: ScanTELL

Vendor: Compusult Limited

Computer: IBM PC Family

Cost: $99.00

ScanTELL is a software program that identifies and speaks the names of bar-coded items and retail products when used with a PC, speech synthesizer, and bar code scanner. ScanTELL operates on both desktop and portable personal computers, employs audible user prompts and requires minimal keyboard usage, includes a database management system, and is available in English, French, and Spanish versions.

The program requires at least 2 MB of RAM, a 20 MB hard disk drive, and serial and parallel ports. ScanTELL is compatible with the following bar code scanners: Symbol Technologies, Spectra-Physics, Opticon, Worthington Data Solutions, and others. The listed price is for the software only; scanners and computers must be purchased separately.

Product Name: ScreenPower

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Manual Form: Audiotape Manual, Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00

ScreenPower is a screen reading program ready to work with many popular application programs including WordPerfect and Lotus 1-2-3 and other software running in DOS. ScreenPower is both command and menu driven and allows the user to hear information displayed on the computer screen with a minimum of keystrokes. Reading options can be changed at any time to customize operation. An integrated macro system turns groups of functions into a single command.

ScreenPower is bundled with DECtalk PC and Pulse Data External and is also compatible with Accent SA, Pulse Data Internal, PulseData Voice Card, BrailleMate, and Vert Plus card.

Product Name: ScreenPower for Windows

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Cost: $995.00

ScreenPower for Windows provides access to programs running under Microsoft Windows. The package uses braille and/or speech to navigate graphically-oriented screens. The explore mode takes the user through the tree structure of Windows to find and use any function through the number pad and braille display and focus tracking makes the user aware of any changes on the screen. Using the Optical Sensor Pointers of INKA, DM80, or David or the cursor routing strip of the PowerBraille 40 (see entries), the braille display acts as the mouse with click and drag functions.

Product Name: Seekline

Vendor: Speech Systems for the Blind

Computer: IBM PC Family

Cost: $45.00

Seekline is a screen reader program for IBM computers and compatibles using DOS. The program features cursor alignment, full user configuration of pitch, speed, tone, volume, read window area, etc., a dictionary, and more. A set-line watch feature watches an area of screen and reads it when it has been updated. Version 2.08 allows up to 10 window areas to be defined on the screen and echo standard BIOS/DOS video writes from any program. Demo copies of the program are available for $5.00.

Seekline requires: 214K RAM, 400K EMS, and 286 or higher. The program utilized most commercial sound cards to accomplish text-to-speech.

Product Name: Slimware

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Models 25/30, Toshiba Laptops

Cost: $495.00

Slimware (formerly called Powerkey) is a software program that processes screen and keyboard output into speech. The program is designed to work with most text-based application programs, including word processors, database managers, spreadsheet, communications, accounting, and terminal emulation programs. A "sticky key" feature permits users to enter commands that require a combination of keys by hitting the keys sequentially instead of simultaneously. Slimware also permits key repeat capability to be turned off.

Contact manufacturer for information on hardware that works with Slimware.

Product Name: Slimware Window Bridge

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $695.00

Window Bridge is a screen access program for IBM PC and compatible computers using Microsoft Windows or DOS. The program features automatic tracking of pull-down menus, automatic reading of dialog boxes, 100 user definable windows for software configuration, notepad functions, and full macro capability. The keyboard can be customized for one-handed typists; the mouse or a touchscreen can also be used. Speech and braille outputs can run simultaneously.

Window Bridge runs on IBM compatibles and requires Microsoft Windows. A speech synthesizer is also needed (extra). Window Bridge supports most synthesizers or braille displays, contact the manufacturer for complete details.

Product Name: SoundProof

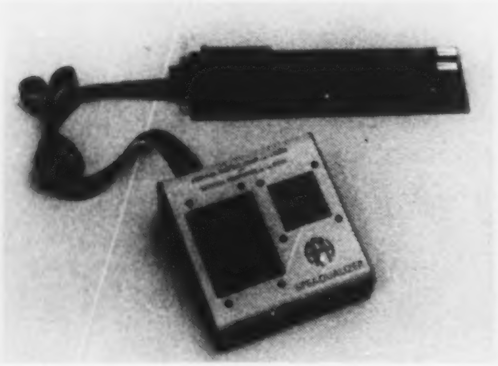
Vendor: HumanWare, Inc.

Computer: Toshiba Laptops

Cost: Contact manufacturer

SoundProof is software screen-reading program designed for individuals with learning disabilities. The program works with a speech synthesizer to "read" text as it is highlighted on the computer screen so that user can view and hear text at the same time. Anything which is displayed on-screen can be read including help menus, spell checks, data processing, and word processing material. The speed of the speech output and the portion of the screen to be read is determined by the user using either the keyboard or mouse. This program can be used with any other MS-DOS applications.

SoundProof is designed to be used with the Keynote GOLD series of computer and speech hardware (see entry). The program is sold bundled with the GOLD series or as a kit for desktop computers and selected Toshiba laptops; contact manufacturer regarding pricing details.



Product Name: Speaqualizer Speech Access System

Vendor: American Printing House for the Blind (APH)

Computer: IBM PC Family, IBM PS/2 Models 25/30

Size: 7" x 7" x 3"

Cost: $925.55

Speaqualizer is a hardware-based system that provides voice output of information appearing on the computer screen of IBM PC, XT, AT, PS/2 Model 30/286 computers. The Speaqualizer is "transparent," providing voice output for any software that sends character data to the screen and uses the operating system cursor. The Speaqualizer system consists of three parts: an internal circuit card for the computer, a control box, and a connecting cable. A keyboard on the control box is used to control what section of the screen will be read back and how it will be read. The user can adjust the speed and volume of the synthesized speech at any time, even while the Speaqualizer is talking. The user can also silence the speech at any time. The user can opt to hear each character read back as it is typed on the computer's keyboard. Upper case letters are signalled by a higher pitch of the voice. The Speaqualizer can review text displayed in columns.

Because it is hardware-based, the Speaqualizer does not consume any of the computer's memory while in operation.

Product Name: Textalker-GS

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIGS

Cost: $34.50

Textalker-GS is text-to-speech software that is designed especially for the Apple IIgs. Textalker-GS allows most programs that are text-based to speak, including many commercial programs. A Quick Review feature allows for reviewing the screen without actually going into Review mode.

Textalker-GS works with ProDOS8, DOS 3.3, GS/OS, and Pascal operating systems. System requirements include at least 512K RAM and a 3.5" disk drive.

Product Name: Tinytalk

Vendor: OMS Development

Computer: IBM PC Family

Manual Form: Electronic Manual

Cost: $150.00

Tinytalk is a screen access program for IBM computers. Features of the program include automatic detection and reading of popup windows, tracking of highlight bars, and a "form tracking mode" for automatic reading of data entry prompts.

Tinytalk is compatible with IBM computers and requires less than 35K of memory. A fully functional demonstration version of the program is available for $5.00 from the manufacturer. Tinytalk requires a speech synthesizer (extra). Contact OMS Development for details about compatible equipment.

Blazie Engineering
Type 'n Speak

Product Name: Type 'n Speak

Vendor: Blazie Engineering

Size: 11" x 5.5" x 1.5"

Weight: 4 lbs.

Power Source: 9 volt battery or AC

Cost: $1,395.00 - $1,495.00

Type 'n Speak is a portable voice-output writing and notetaking device. The features are similar to the Braille 'n Speak (see separate entry), but the device uses a QWERTY (typewriter-style) keyboard rather than a seven-key braille keyboard. Type 'n Speak does not have a visual display, but instead speaks any text typed into it using a synthesized voice. About 300 pages of text can be stored in the device memory. A built-in clock, calendar, spell checker, talking calculator, stopwatch, and the ability to run external software are included.

Type 'n Speak is available in eleven languages: English, Czech, French, German, Italian, Japanese, Korean, Portuguese, Slovak, Spanish, and Turkish. An optional disk drive can be added for reading IBM format floppy disks.

Product Name: Vocal-Eyes

Vendor: GW Micro

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual,
Electronic Manual, Printed Manual

Cost: $450.00

Vocal-Eyes is a software package that processes screen and keyboard output from standard software programs, such as word processors, into speech. Features include: full support for video attributes, automatic box reading, auto-loading of set files, compatibility with windowed programs, definable "hot keys" for customized macros, cursor control, and "cut and paste" capabilities.

A demonstration disk is available. Contact manufacturer for information on compatibility with speech synthesis hardware (required; extra).

Product Name: Win Vision

Vendor: Artic Technologies

Computer: IBM PC Family

Cost: $495.00

Win Vision is a screen reading program for Microsoft Windows. In addition to reading text on the screen, Win Vision can automatically speak dialogue boxes as they pop up on the screen and can track pull-down menus, scroll bars, buttons, radio buttons, icons with text labels, and icons without text labels. Win Vision can also read check-off boxes and font information. Multiple DOS sessions, mouse cursor tracking, 256 color video drivers, multiple video resolutions, and many Windows accelerator cards are supported.

Price is for Win Vision alone; cost is $395 when purchased with a synthesizer.

Product Name: Window-Eyes

Vendor: GW Micro

Computer: IBM PC Family

Cost: $495.00

Window-Eyes is a voice-output screen reading program for Microsoft Windows. The program is a stand-alone Microsoft Windows application designed to give the user control over how, when, and what is spoken. Window-Eyes was designed with many of the same features as Vocal-Eyes (see entry). The program offers 10 standard windows that can be read with a single keystroke and an additional 40 windows that can be accessed. Also 10 hyperactive windows are included that allow the user to monitor certain screen areas. Information under the mouse is automatically read as it is moved and mouse click support from the keyboard is offered. The user can assign over 90 Window-Eyes hot keys for routing and reading that will not disturb the underlying application program. Because Window-Eyes is a stand-alone application, it does not require a particular DOS screen reader to operate.

System requirements include: Windows or Windows for Workgroups, at least 4 MB of RAM, and any synthesizer with an SSIL driver.

Product Name: WINKLiNE

Vendor: Speech Systems for the Blind

Computer: IBM PC Family

Cost: $45.00

WINKLiNE is a screen reading program for Microsoft Windows. The program speaks keys when struck, icons when selected, menus when opened, menu items selected, and all standard controls. All document text and other text written in Windows can be spoken; speech can be aborted with a key strike or mouse click. A demo copy is available for $5.00.

WINKLiNE requires Microsoft Windows and a sound card.

Product Name: WordScholar

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

WordScholar is a software program designed for people with specific learning disabilities to improve reading comprehension, retention, and speed through a speech synthesizer. Text can be selected by the word, line, sentence, paragraph or entire document. As each word is spoken it is also highlighted visually in a stand-out color. A 310,000 word version of the American Heritage Dictionary is included and definitions can be accessed at any time. Speech and visual output can be adjusted according to the user's preferences.

WordScholar works with text based DOS applications and can be combined with a scanner or reading machine to access print materials. Most popular speech synthesizers are supported.

Chapter 15

Magnification Products for Computer Displays

This chapter includes software and hardware products whose primary purpose is to magnify the image on a standard computer screen. The products in this chapter are designed to work with all or most software on the computer. A word processing program with large print would not appear here because it is only a single application program.

Products with magnification features and speech output are listed in Chapter 14 (Voice-Output Screen Readers and Reading Machines) and cross-listed under the magnification function.

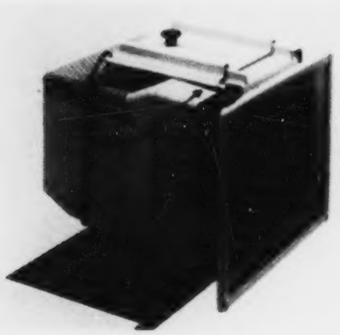
Some pertinent resource listings in Appendices A and B are: Information Resources for Blind and Visually Impaired Individuals; Computer Assessment and Training Programs for Disabled Individuals; and Books and Pamphlets.

The following product entries appear in this chapter:

Adjustable EZ Magnifier, *493*
B-Pop, *493*
Beamscope, *494*
Big-W, *494*
CloseView, *495*
Compu-Lenz, *495*
GNK Magnifier, *496*
inLARGE 2.0, *496*
Large-Type Display Utility Software, *497*
Lens 2.03, *497*
LP-DOS & LP-Windows, *498*
MAGic and MAGic Deluxe, *498*
Magnum Deluxe, *499*
Magnum GT, *499*
NuVu Magnifier, *500*
Panorama, *500*
Powerama, *501*
Screen Magnifier/2, *501*
Vantage CCD, *502*
Vista, *502*
ZoomText 5, *503*

The following products from other chapters can also be used as Magnification Products for Computer Displays:

Speak Out VOILA, *440*



Product Name: Adjustable EZ Magnifier

Vendor: Less Gauss Inc.

Computer: All (Hardware Independent)

Size: Customized

Cost: $198.00

The Adjustable EZ Magnifier is a hardware magnification device that attaches to the monitor and hangs down in front of it. The EZ provides infinite adjustment from zero to six inches from the screen. Protective optical non-glare glass allows the lense to be cleaned with household cleaner.

To order, provide the following dimensions: length of screen, width of screen, and width of space between top of monitor and screen.

Product Name: B-Pop

Vendor: Hexagon Products

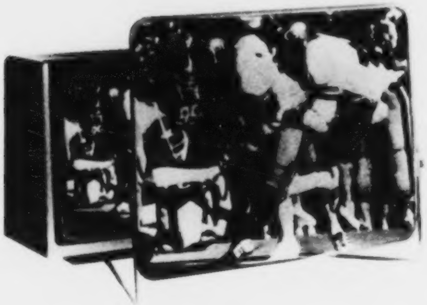
Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

B-Pop is a memory-resident text enlargement software program that can be used to enlarge text appearing on the screen. Once it is loaded, B-Pop may be activated and deactivated by using a "hot key." The focus may be moved around with the arrow keys or by mouse movement; the function keys may be used to search for a character string or color attribute. When B-Pop is deactivated, the user is returned to the portion of the screen being used before B-Pop was activated.

B-Pop provides read-only screen magnification, and is automatically deactivated when information is typed into the application being magnified. Included with B-Pop are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' programs.



Product Name: Beamscope

Vendor: Florida New Concepts Marketing, Inc.

Computer: All (Hardware Independent)

Cost: $68.95 - $78.95

Beamscope is a fresnel lens that will enlarge the characters on a TV screen to more than twice their normal size when placed in front of the TV. Two different models are available. Model TS-25 is designed for 12" - 15" TVs, enlarging the screen diagonal to 25" ($68.95). Model TS-30 fits 17" - 19" screens, enlarging the diagonal to 30" ($78.95).

Product Name: Big-W

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Large Print Manual

Cost: $39.00

Big-W is a screen magnifier for Microsoft Windows. The program can be run from Windows or from File Manager. The Big-W window automatically enlarges the area under the mouse cursor or the input text caret. The magnification level can be changed and the window itself can be resized or repositioned with standard Windows commands.

Product Name: CloseView

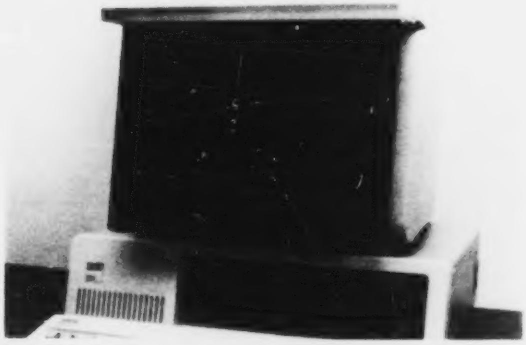
Vendor: Apple Computer, Inc.

Computer: Apple Macintosh Family

Cost: Sold bundled only

CloseView allows the screen on the entire Macintosh line to be magnified from 2 to 16 times. Working as an option on the Control Panel, CloseView also permits the screen display to be changed from black on white to white on black. It is possible to turn CloseView on and off, and to change the magnification, by using combinations of the Control, Option, and other keys.

CloseView requires Macintosh operating system software version 6.0 or higher, which requires at least one megabyte of memory. The program is included with all sets of operating system disks at no additional charge; documentation for the program is covered in the manual for the system.



Product Name: Compu-Lenz

Vendor: Florida New Concepts Marketing, Inc.

Computer: All (Hardware Independent)

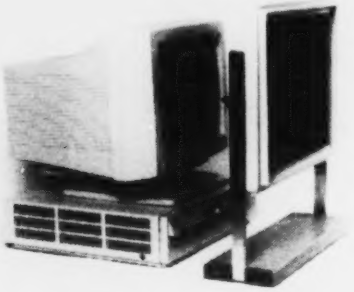
Size: 13.75" x 11.5"

Weight: 7 lbs.

Cost: $204.95

Compu-Lenz is a combination screen magnifier (fresnel lens) and glare filter that fits on an existing monitor. Compu-Lenz displays the entire screen, magnifying it two to four times.

Compu-Lenz fits the IBM-PC and most other computers with monitors of similar size.



Product Name: GNK Magnifier

Vendor: Less Gauss Inc.

Computer: All (Hardware Independent)

Cost: $269.00

The GNK Magnifier is a hardware magnification device designed to provide the maximum or minimum magnification that an individual user needs. The lense is attached to an oak base and alluminum frame so it can be placed at the desired distance from the computer screen. Protective optical non-glare glass allows the lense to be cleaned with household cleaner.

Product Name: inLARGE 2.0

Vendor: Berkeley Systems, Inc.

Computer: Apple Macintosh Plus

Manual Form: Electronic Manual, Large Print Manual

Cost: $195.00

inLARGE 2.0 is a software application which permits the screen to be modified in several ways to facilitate Macintosh use by people with visual impairments. Modification features include: magnification by a factor of 2 to 16 times, screen inversion permitting white letters on a black background, automatic scanning in any of four directions (left, right, up, or down), automatic routing of the pointer to new windows, ability to set horizontal and vertical magnification independently, and an optional, customizable indicator of cursor location. The user may select any portion of the screen for magnication and black out any unmagnified portion. Most commands can be issued either from the keyboard or from a control panel document. inLARGE will permit modified views of all Mac features including graphics, text, and windows.

inLARGE 2.0 works with almost all Macintosh software including System 7. Minimum system requirements are a MacPlus or higher with 1MB RAM, System 6.05 or later, and 100K of floppy or hard disk space.

Product Name: Large-Type Display Utility Software

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family, IBM PS/2 Family

Cost: $150.00 - $599.95

Large-Type Display Utility Software are programs that enlarge the print on the computer screen for most commercial software. There are three versions of the software. The 2X Multi-Mode ($150.00) magnifies text or graphics up to two times in size. A magnified "window" tracks the cursor or be moved with arrow keys. This version works with VGA display. The 1X-8X Text-Mode version ($499.95) provides one to eight times magnification. The magnified area can be viewed full screen or split screen, and magnification can track the cursor. This version displays only text, not graphics, and works with EGA or VGA display. The 1X-16X All-Mode version ($599.95) provides one to eight times, 12 times or 16 times magnification. The magnified area can be viewed full screen or split screen, and magnification can track the cursor. This version displays text, graphics, and windows; it works with VGA display.

Product Name: Lens 2.03

Vendor: Konz, Ned

Computer: IBM PC Family

Cost: $5.00

Lens 2.03 is a screen magnifier for Microsoft Windows that magnifies the area of screen around the mouse pointer. The program can also be set to track the text cursor in text applications or to display a mgnified fixed area of the screen.

Product Name: LP-DOS & LP-Windows

Vendor: Optelec USA, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

LP-DOS and LP-Windows (LARGE PRINT for DOS and WINDOWS) provide screen magnification for low vision users. The program magnifies Microsoft Windows applications up to 16x and lets users view documents and graphics as they type, paint, or play. Users can switch magnification levels, alter screen colors, and pan images smoothly via simple keystroke or mouse control.

LP-DOS is also available for Windows 95 and offers split screens and mouse enhancements.

Product Name: MAGic and MAGic Deluxe

Vendor: Microsystems Software Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $79.00 - $295.00

MAGic is a memory-resident software program that provides screen magnification for most graphics and text based application programs running under DOS or Microsoft Windows (word processors, spreadsheets, etc.). MAGic enlarges the screen 2 times. Available modes include follow-the-cursor, follow-the-mouse, and follow-attribute-changes. MAGic Deluxe will magnify off-the-shelf text-based applications between 1.2X and 12X. Additional MAGic Deluxe features include 10 "bookmarks," screen location display, and a "smooth font." WinMAGic has a feature called MagniPORT, a dialog box that presents a magnified image of the area surrounding the cursor or mouse pointer.

MAGic requires 8KB of memory; MAGic Deluxe requires 15KB. An IBM PC with VGA, XGA, or SVGA display is required. A font editor is available for $99.00.

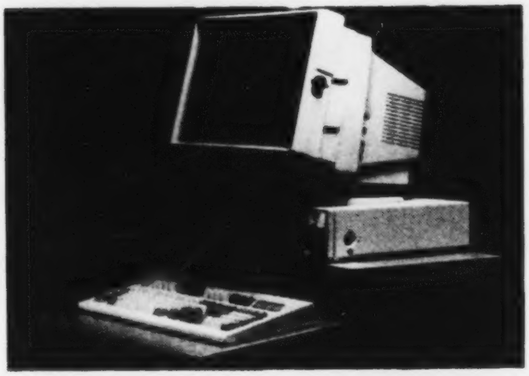
Product Name: Magnum Deluxe
Vendor: Artic Technologies
Computer: IBM PC Family
Cost: $495.00

Magnum Deluxe is a magnification software program with the same features as Magnum GT. In addition, the Deluxe version offers more levels of magnification, automated reading commands, Color Translator system for Word Perfect, and other functions for DOS. For Microsoft Windows, the Deluxe version offers enhanced tracking, 32-times magnification, standard VGA support, Super-VGA support, Review Mode with variable speed panning and scrolling, and other functions.

Product Name: Magnum GT
Vendor: Artic Technologies
Computer: IBM PC Family, IBM PS/2 Family
Cost: $295.00

Magnum GT is a screen enlargment program for IBM PC and PS/2 computers and compatibles running either DOS or Microsoft Windows. Magnum GT enlarges the image on the computer screen in whatever software the user is operating. Enlarged characters are shown in large fonts specifically designed for computer users with low vision. Enlargement of graphic images is also provided. A variety of viewing features are provided, including menu tracking, mouse tracking, ability to move the magnification area and then automatically return it to the application cursor location, split-screen viewing, scrolling screen viewing and bypassing of screen refreshes.

Magnum GT is software-based, requiring no additional hardware to operate. It requires a VGA video adapter. An IBM 286 or greater computer is suggested.



Product Name: NuVu Magnifier

Vendor: Less Gauss Inc.

Computer: All (Hardware Independent)

Size: Up to 17"

Cost: $149.00

NuVu Magnifier is a hardware magnification device that attaches directly to the monitor with Velcro. The NuVu is designed to offer distortion free magnification for the entire field of view, clarification of image in addition to magnification, and reduction of magnifier glare using optical glass. Two levels of magnification are available.

Product Name: Panorama

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $495.00

Panorama is a screen enlargement program for IBM PC, PS/2 or compatible computers running DOS. Panorama can enlarge text and graphics on the screen from two to ten times. Text is displayed in specially designed large fonts. Various viewing features are provided, including: horizontal and vertical scrolling, display in multiple windows, ability to follow application software's highlight bars, instant location of windows on screen and moving between windows. The user can also search for text or screen colors, automatically view screen changes such as error messages, and move the cursor by character, column, word, line, sentence or paragraph. The user can set the spacing between lines and characters in text viewing.

Panorama requires a computer with at least a 286 processor, 384K of extended memory, and either an EGA or a VGA video adapter. A scaled-down version, Panorama Junior, magnifies two to three times and is PC XT compatible.

Product Name: Powerama

Vendor: Syntha-Voice Computers Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $795.00

Powerama is a screen enlargement and voice-output screen reading program. Powerama integrates the features of Panorama screen enlarging software and SlimWare screen reading software (see separate entries). The large print display and voice output work together, so that text is displayed and read aloud simultaneously. Powerama can enlarge from two to ten times. Text is displayed in specially designed large fonts. Various viewing features are provided, including: horizontal and vertical scrolling, display and reading in multiple windows, ability to follow application software's highlight bars with viewing and voice, and instant location of windows on screen. The user can also search for text or screen colors, automatically view and hear screen changes such as error messages, and move the cursor by character, column, word, line, sentence or paragraph. The user can set the spacing between lines and characters in text viewing.

Powerama requires a computer with at least a 286 processor, 384K of extended memory, and either an EGA or a VGA video adapter. A scaled-down version, Powerama Junior, magnifies two to three times and is PC XT compatible.

Product Name: Screen Magnifier/2

Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $495.00

Screen Magnifier/2 enlarges applications running under IBM's OS/2 operating system. The magnification level ranges from two to 32 times the normal size. A "reading mode" that pans the cursor along the lines is included and the reading speed can be controlled with one finger. Screen colors can be reversed and focus tracking ensures that users will see an error message that pops up on another part of the screen. Also, a locator lets users see just where the magnified window is on the system.

Information about the Screen Magnifier/2 can be obtained by calling (800) 426-4832 (U.S. voice) or (800) 426-4833 (U.S. TDD). To order Screen Magnifier/2, call (800) 426-7630 (U.S. voice) or (800) 426-3383 (U.S. TDD). Canadian ordering and information is available at (800) 465-7999.

Vantage
See the future
Today!

Product Name: Vantage CCD

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Cost: $2,495.00

Vantage is a closed circuit television system that magnifies any printed text. The user positions text under a CCD camera, and the text appears, enlarged 3 to 45 times, on a video screen. The non-glare screen can be raised, lowered, and tilted. Underlining and overlining are possible, and a split screen can be used to view two texts. Vantage can also act as a monitor for Vista (see entry), providing large-print access to standard software on IBM-PC computers.

Vantage comes with a black and white 14" non-glare screen. Manuals are in large print format.

The big
picture

Product Name: Vista

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Cost: $2,495.00

Vista is a hardware and software package that allows a portion of the screen display to be selected and enlarged. The system consists of an internal circuit card, a program on disk, and a mouse. By pressing certain buttons on the mouse and moving the mouse, the user can enlarge an area of the screen, move the area to be enlarged around the screen, mask off only one line for viewing, jump from the end of one line to the beginning of another, and stretch an image taller or wider. Magnification can be from 2 to 16 times.

Vista uses color, enhanced graphics, or monochrome monitors, will work with most software, and will magnify graphics and other screen attributes. Two models are available: Vista and Vista with Windows (this version does not include Microsoft Windows but is designed to be reponsive to the Windows environment) which are designed for MS-DOS 386 or higher compatible computers.

Product Name: ZoomText 5

Vendor: AI Squared

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Large Print Manual

Cost: $495.00 - $595.00

ZoomText is a screen magnification program that magnifies characters on the screen from 2x to 16x. Versions exist for DOS, Microsoft Windows, and both environments. Features include: full-screen and partial-screen zoom windows, smoth-edged magnification, and advanced tracking.

ZoomText is $495.00 and requires an EGA or VGA graphics adapter card. ZoomText Plus which includes all ZoomText features plus graphics magnification and a Microsoft Windows interface is also available ($595.00).

Chapter 16

Braille and Tactile Output Systems

This chapter includes devices that have either braille or other tactile output. It includes braille printers (also known as embossers), portable braille "notebooks" with refreshable braille displays, and tactile or braille devices that are designed for accessing a standard computer screen.

Software for braille word processing or for formatting braille documents can be found in Chapter 21 (Personal Tool or Aid). Programs for teaching braille or braille transcription can be found in Chapter 19 (Training and Therapy).

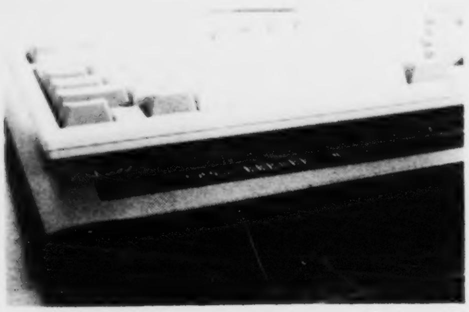
Hardware or software that has braille output can also be located by looking in Index 2 under Output/Display: Tactile/Braille Display. Appendix A contains Information Resources for Blind and Visually Impaired Individuals.

The following product entries appear in this chapter:

ALVA Braille Terminals, *507*
Braille Blazer, *507*
Braille BookMaker and Braille Express 100 & 500, *508*
Braille-N-Print, *508*
BrailleAccess, *509*
BRAILLEX-2D, *509*
Braillo 200, *510*
Braillo 400 S, *510*
Braillo Comet, *511*
DM80/FM, *511*
Index Basic, *512*
Index Basic-D, *512*
Index Everest-D, *513*
INKA, *513*
Juliet Brailler, *514*
KTS Braille Display, *514*
Marathon Brailler, *515*
MasterTOUCH, *515*
Mountbatten Brailler, *516*
NOMAD Talking Touch Pad & NOMAD Gold, *516*
Notex 486, *517*
Ohtsuki BT-5000 Braille/Print Printer, *517*
Optacon II, *518*
Paragon Braille Printer, *518*
PowerBraille 40, 65, & 80, *519*
Ransley Braille Interface (RBI), *519*
Romeo Brailler Model RB-25, *520*
Romeo Brailler Model RB-40, *520*
TEXTALKER, *521*
Thomas Brailler, *521*
TranSend System, *522*
VersaPoint-40 Braille Embosser, *522*

The following products from other chapters can also be used as Braille or Tactile Output Systems:

Braille Lite, *470*
David, *471*
InfoTouch, *182*



Product Name: ALVA Braille Terminals

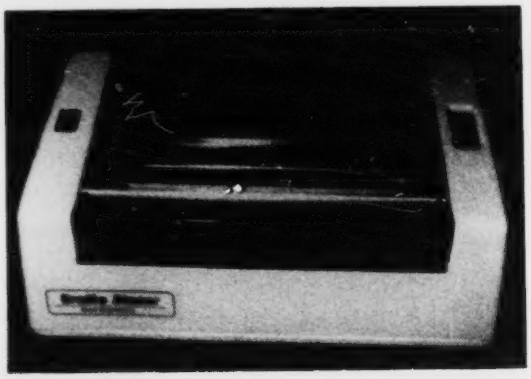
Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $4,995.00 - $14,495.00

ALVA Braille Terminals are electronic braille displays for use with MS-DOS compatible computers. Four models are available. The 23 and 43 are portable models, the 43 and 83 are desktop models. Each model includes: eight dot braille cells; 20, 40, or 80 column reading windows; three status cells for monitoring of cursor location and screen features; built-in parallel printer port and external keypad port; Grade II braille translation with AutoBraille by KANSYS.

Optional features include Microsoft Window and OS/2 access. The portable terminals use rechargeable batteries.



Product Name: Braille Blazer

Vendor: Blazie Engineering

Computer: All (Hardware Independent)

Size: 15" x 10" x 5"

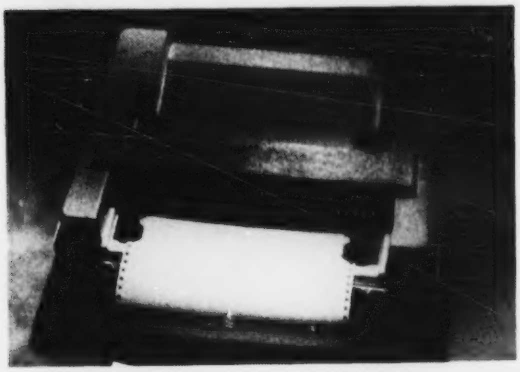
Weight: 12 lbs.

Power Source: AC Adapter

Cost: $1,695.00

Braille Blazer is a portable braille printer designed for users without special technical expertise or prior computer experience. Configuration is achieved with built-in synthesized speech. Four operating modes are included: light paper mode for proofreading and other applications on regular paper, regular mode for braille paper in all sizes, plastics mode for production of braille signs and labels on lightweight polymer, and sideways mode to print spreadsheets and screen dumps. Minimum paper width is one inch and the maximum paper width is 10 inches.

A carrying case is available for $50.00.



Product Name: Braille BookMaker and Braille Express 100 & 500

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 21.25" x 18" x 8.75"

Weight: 52 lbs.

Power Source: 120V AC

Cost: $7,995.00 - $14,995.00

Braille BookMaker and Braille Express 100 & 150 are three models of braille embossers that allow the user to combine text and graphics on a single page without stopping. A rear panel impact control selector allows the user to adjust for different weights of paper from 20-pound computer paper to 100-pound tag. All three come with a calculator style keypad with an LCD screen for visual feedback.

Braille BookMaker ($7,995.00) brailles on both sides of a page at the same time at a speed of 80 characters per second. The BookMaker is available with an optional 512K copy buffer. Braille Express Models 100 ($10,500.00) brailles on both sides of a page at a speed of 100 characters per second and the Model 150 ($14,995.00) brailles on both sides of a page at a speed of 150 characters per second. Both Express models come with a standard 512K copy buffer and can hold 500 pages in memory at a time.

Product Name: Braille-N-Print

Vendor: HumanWare, Inc.

Size: 12" x 10" x 6"

Weight: 9 lbs.

Power Source: 120V AC

Cost: $1,025.00

Braille-N-Print is a grade two Braille translation device that works in conjunction with a standard Perkins Brailler. Braille-N-Print connects mechanically to the Perkins, decodes grade 1 and grade 2 Braille, and sends the decoded text to a standard printer. Thus the user may produce Braille output and inkprint output at the same time.

Two models are available: Mark II, for connection to multiple Perkins Braillers, and Slimline, for connection to a single Perkins Brailler. Contact manufacturer for details on purchasing Braille-N-Print with an Epson or Diconix printer.

No Photograph Available

Product Name: BrailleAccess

Vendor: Access Systems International, LTD

Computer: IBM PC Family

Size: see text

Cost: $4,995.00 - $9,995.00

BrailleAccess is a braille terminal which reproduces what is displayed on the computer screen in dynamic braille. The display is fitted with identical multifunction operation keys allowing keys to be within easy reach where the user is reading on the display. Each key performs nine primary functions as well as a number of secondary functions depending on which portion of the key is pressed. These functions include moving around the screen, toggling screen attributes such as underlining, and changing the parameter menus.

BrialleAccess is available in four models. BrailleAccess 20, 27, and 40 display 20, 27, and 40 charcters respectively, are each 11" x 12" x 1", and have four multifunction keys. BrailleAccess 80 displays 80 characters, is 21.5" x 9" x 1", and has eight multifunction keys.

No Photograph Available

Product Name: BRAILLEX-2D

Vendor: ATR/JWA, Inc.

Computer: IBM-PC XT, IBM PC AT,
IBM PS/2 Family

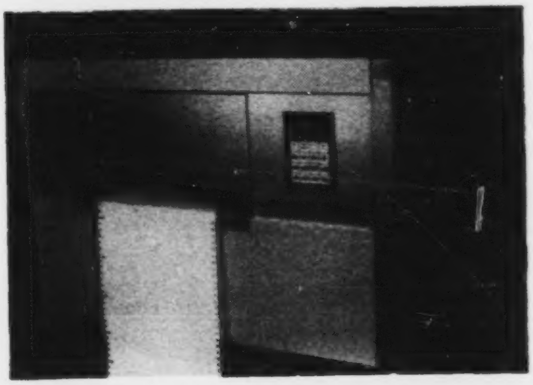
Size: 29" x 12.2" x 1.3"

Weight: 19 lbs.

Cost: Contact manufacturer

BRAILLEX-2D is a braille display for personal computers that allows the user to read the text on the screen and also understand the screen layout. The device features an 80 character horizontal braille display for the text and a secondary, vertical display that provides screen layout information. The vertical display represents every screen line by four dots and can show the presence and location of characters on the screen, the quality of the characters, screen attributes, etc. depending on the user's preferences. A key next to the corresponding screen line row allows the user to read the contents of the line in detail. BRAILLEX-2D provides access to programs running in DOS. It also provides access to Microsoft Windows when used with the WinDOTS (see entry) software program.

System requirements include: MGA, CGA, EGA, VGA or compatible video system, a compatible keyboard connector, and any operating system or software using character mode.



Product Name: Braillo 200

Vendor: American Thermoform Corporation

Computer: IBM PC Family

Size: 22.62" x 25.74" x 33.93"

Weight: 320 lbs.

Cost: $36,995.00

The Braillo 200 is a Braille printer that can print six and eight dot braille at 200 cells per second. A liquid crystal display indicates the page count. Operator controls include form feed, reset, and paper stop. The printer may be connected directly to a paper cutter. The page lenths and line length are both adjustable; the maximum line length is 42 characters.

No Photograph Available

Product Name: Braillo 400 S

Vendor: American Thermoform Corporation

Computer: IBM PC Family

Size: 48.36" x 26.13" x 39.78"

Weight: 530 lbs.

Cost: $77,995.00

The Braillo 400 S is a Braille printer that can print six and eight dot braille at 400 cells per second. A liquid crystal display indicates the page count. Operator controls include form feed, reset, and paper stop. The printer may be connected directly to a paper cutter. The page lenths and line length are both adjustable; the maximum line length is 42 characters.

No Photograph Available

Product Name: Braillo Comet

Vendor: American Thermoform Corporation

Computer: IBM PC Family

Size: 22.75" x 5.5" x 14"

Weight: 35 lbs.

Cost: $3,795.00

The Braillo Comet is a Braille printer that can print six and eight dot braille at 50-75 cells per second. The Braillo Comet can also print graphics. The line and page lengths can be adjusted, as can the dot height (for different thicknesses of paper). The printer uses continuous pin feed fanfold paper, and stops automatically when out of paper. On top of the printer are switches for line feed, form feed, and on-line/off-line.

Contact manufacturer for information on the graphics option (extra).

Product Name: DM80/FM

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Size: 25.7" x 15.3" x 2.5" (both units combined)

Weight: 20.95 lbs.

Cost: $12,995.00

DM80 is an 80-cell, 8-dot, braille display and the FM (Function Module) is a 9-key braille keyboard, numeric keypad, and two independently positionable 12-cell braille displays. Together, the DM80/FM allow access to most software applications. DM80 features an Optical Sensor Pointer that acts like a "braille mouse", or navigator, and moves the cursor to the desired location by monitoring the hand positions. Also, DM80 has six pre-defined mode switches and seven user-definable navigation function keys. The FM can control up to 511 user-definable input functions and 15 command layers. An integrated speech synthesizer and a microprocessor control both internal system operation and communication with the host computer. TeleSensory's DM80 can be purchased and used with or without the FM.

No Photograph Available

Product Name: Index Basic

Vendor: Access Systems International, LTD

Computer: All (Hardware Independent)

Size: 20.2" x 10" x 5"

Weight: 16 lbs.

Cost: $2,525.00

Index Basic is a braille printer with functions including: multicopy, graphics reformating, and sideways print mode. Parameters are altered using either dip switches or the setup program from the computer. Index Basic includes sixteen different standard braille tables, computer and literary in 6 or 8 dot braille with two user-defined tables. The print speed is 50 characters per second.

No Photograph Available

Product Name: Index Basic-D

Vendor: Access Systems International, LTD

Computer: All (Hardware Independent)

Size: 20.2" x 10" x 5"

Weight: 16 lbs.

Cost: $3,395.00

Basic-D is a continuous tractor-fed printer that produces double sided braille on all paper, including thin "copy" paper. A speech interface guides the user through set-up in a number of languages. Front panel buttons are labelled in print and braille. Text and graphics can be printed on a single page. Up to 2400 pages can be printed in eight hours.

No Photograph Available

Product Name: Index Everest-D

Vendor: Access Systems International, LTD

Computer: All (Hardware Independent)

Size: 22" x 7" x 17"

Weight: 29 lbs.

Cost: $3,695.00

Everest-D is a braille printer with a single sheet feeder and an internal speech system that speaks all set up parameters. Everest-D can produce double sided Interpoint Braille at 100 characters per second and has a print buffer of 400,000 characters allowing the user to send large documents without tying up the computer.

An optional acoustic hood reduces noice to a level normally accepted to be below the recommended level for office equipment.

Product Name: INKA

Vendor: TeleSensory Corporation

Computer: IBM PC Family

Size: 22.2" x 9.8" x 2.8"

Weight: 8.2 lbs.

Cost: $7,495.00

INKA is an integrated output and input keyboard for braille users. The keyboard is in full 101-key QWERTY form augmented by braille dots on specific keys to aid orientation. The computer screen is represented by a high speed piezo-electric braille display incorporating 40 reliable eight-dot elements and integrated optical sensors. This braille display is supplemented with a four-element status field. INKA is equipped with an optical sensor pointer that serves the purpose of a "braille mouse" by monitoring hand positions immediately above the cells and navigating the cursor to the desired location. INKA includes four switches to assign to frequently used functions and can easily connect to most PC's via the standard keyboard port.

INKA offers an optional synthetic speech function to operate in parallel with the braille display.

Juliet Brailler

Product Name: Juliet Brailler

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 11.5" x 24.63" x 9.4"

Weight: 52 lbs.

Power Source: 120V AC

Cost: $3,995.00

The Juliet is a desk-top brailler which can braille in interpoint (capable of printing on both sides of a page) and has a printing speed of 42 to 55 characters per second. The Juliet accepts paper of any weight from 20 to 100 pounds and will print on paper up to 15 inches wide or a maximum of 56 braille cells per line. Juliet can produce text and graphics on the same page. A calculator style keypad is used to configure the printer. The Juliet has both serial and parallel connection ports. The Juliet also has a low power consumption mode that goes into effect after three minutes of inactivity.

The Juliet uses tractor feed paper and can be purchased with a single sheet feed option. Contact manufacturer for details.

Product Name: KTS Braille Display

Vendor: American Thermoform Corporation

Computer: IBM PC Family

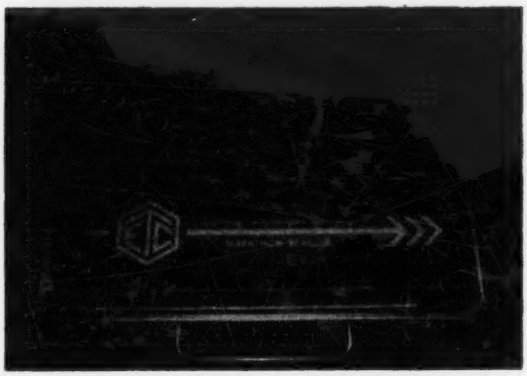
Size: 7" x 22" x 11"

Weight: 8.8 - 17.6 lbs.

Cost: $5,695.00 - $11,995.00

The KTS Braille Display is a refreshable braille display that is compatible with MS-DOS, UNIX, and CPM86 operating systems and most software programs. A dual interface allows the display to echo to a second screen or printer. Other features include a loadable character set and program to set up and change a personal braille table, integrated 8 dot braille keyboard, automatic cursor routing, and 14 dedicated function keys for screen navigation.

The KTS is available as a 40 cell display and an 80 cell display.



Product Name: Marathon Brailler

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 21" x 18" x 8"

Weight: 75 lbs.

Power Source: 100V - 260V AC

Cost: $12,995.00

The Marathon Brailler is a single sided braille embosser that embosses at a speed of 200 characters per second. The Marathon embosses on a tractor feed paper from weights of 20 to 100 pound tag. Other features include a multicopy function, a paper-out detector, and built-in sensors that monitor the line voltage and internal temperature of the printer in operation and stop embossing if these fluctuate to a degree that could harm the Marathon. The Marathon also features a calculator style keypad with an LCD screen for visual feedback.

No Photograph Available

Product Name: MasterTOUCH

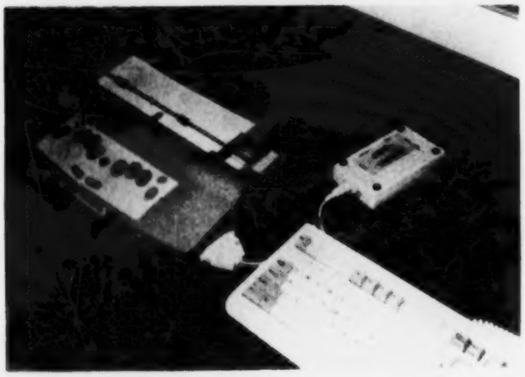
Vendor: HumanWare, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

MasterTOUCH Tablet is an interactive tactile computer screen. The touch-sensitive surface is divided by raised tactile ridges into 25 lines that correspond to the text lines on the screen. Touching the tablet surface at any point causes the word at the corresponding point on the visual screen to be spoken. Features include: "intelligent processing" of highlight bars, pop-up windows, prompts, and menus; speech cutoff when a keyboard key is pressed; context-sensitive help; windows that may be defined by the user as silent, automatically read when changed, or read conditionally on other screen changes; spreadsheet access option; full review mode; user-controlled keyboard echo and punctuation options; assignable macros; and the ability to save and run application-specific configurations.

The tablet comes with MasterTOUCH, a screen access program that may be purchased and run separately (although the two must be used together to permit analysis of screen layouts). Contact manufacturer for information on compatibility with Keynote GOLD (see entry).



Product Name: Mountbatten Brailler

Vendor: HumanWare, Inc.

Computer: IBM PC Family

Size: 3.54" x 9.44"

Weight: 9.24 lbs.

Cost: $2,495.00 - $3,295.00

The Mountbatten Brailler is a portable braille writing device that also serves as a braille printer for a computer. The Mountbatten has a standard braille keyboard for typing text; the text can appear directly on braille printout, and can simultaneously be sent to a computer or standard ink printer if desired. The device will translate grade 2 braille typed on the keyboard into grade 1 braille and vice versa for printing on a printer or transferring to a computer. The user can also attach a standard QWERTY computer keyboard to the Mountbatten; text typed on that keyboard can automatically be translated into grade 2 braille by the Mountbatten. The braille embosser in the Moutbatten has an automatic correction feature for fixing mistakes on printed braille. It is possible to turn the braille printing off to use the Mountbatten as a silent notetaker. There is 32K of memory available for storing files, with an option to upgrade to 128K. The Mountbatten has a graphics mode for printing braille graphics. Variable impact adjustments and multi-strike settings enable various materials (such as nylon, plastic and metal foils) to be embossed.

No Photograph Available

Product Name: NOMAD Talking Touch Pad & NOMAD Gold

Vendor: American Printing House for the Blind (APH)

Computer: Apple Macintosh Family, IBM PC Family

Size: 22.38" x 15.38"

Weight: 6.38 lbs.

Cost: $1,142.95 - $2,205.95

NOMAD Talking Touch Pad is a device that makes tactile pictures talk. Once the appropriate file is selected, the user can touch various points on the tactile graphic and NOMAD will describe them with synthesized speech. Calling up NOMAD files and programming graphic information is designed to be easy and can be saved for future use. TouchBlaster Software, a serial cable, both 3.5" and 5.25" disks, and sample graphics are included.

NOMAD Gold features Keynote Gold speech and has six foreign language capabilities built-in. NOMAD Graphics Packages($100.00) of raised-line graphics and preprogrammed information files are also available.

No Photograph Available

Product Name: Notex 486

Vendor: ATR/JWA, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

Notex 486 is a MS-DOS based braille notebook personal computer. Notex features a refreshable 40 + 2 cell braille display with an 8-dot piezo-electric dialogue braille cell for screen navigation and fast reading. The braille keyboard has a full function key application. Notex is equipped with ports for a QWERTY keyboard, color monitor, and printer as well as a serial port for modem connections, speech synthesizers, etc. The device features an 80486 SLC processor with 2 MB RAM and a 60 MB integrated hard disk. A 3-1/2" integrated floppy disk drive is also included.

No Photograph Available

Product Name: Ohtsuki BT-5000 Braille/Print Printer

Vendor: American Thermoform Corporation

Computer: Apple II Family, IBM PC Family

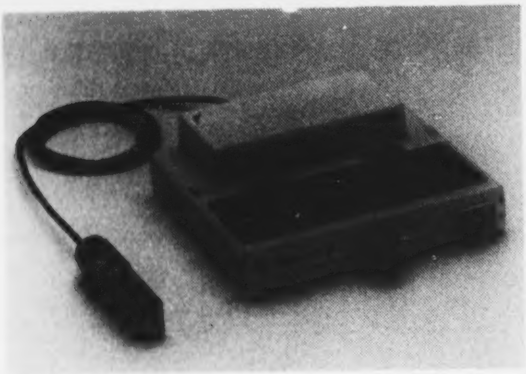
Size: 20.5" x 6.8" x 10.6"

Weight: 29 lbs.

Cost: $5,695.00

Ohtsuki Printer is a braille printer capable of producing parallel lines of braille and standard ink print. The user sends the printer a grade 1 or grade 2 braille file via a computer's serial or parallel port, and the printer can print only standard ink print (dot matrix), only braille, or both types on alternate lines. The speed of printing is slightly lower when both types are used. Grade 2 braille can also be printed, but only if the user has the necessary translation software on the computer. Either single sheet paper or continuous feed paper may be used.

The manufacturer is able to provide the necessary brailling paper and the ink cartridges for ink printing. Contact them about the cost.



Product Name: Optacon II

Vendor: TeleSensory Corporation

Computer: All (Hardware Independent)

Size: 2" x 9" x 6"

Weight: 2 lbs.

Power Source: Rechargeable battery

Cost: $3,695.00

Optacon II is a portable tactile reading system that gives the user direct access to printed material. A hand-held camera (about the size of a cigarette lighter) is scanned across the printed page. The retina of that camera perceives the contrast between the light page and dark print and sends the image to a vibrating tactile array. The user rests the index finger on that tactile array and is able to feel the letters move underneath the fingers. The entire unit is approximately the size of a portable cassette recorder. The Optacon II can be used to read a computer screen as well as printed material.

No Photograph Available

Product Name: Paragon Braille Printer

Vendor: HumanWare, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Size: 11.5" x 24.6" x 9.4"

Weight: 52 lbs.

Cost: $2,995.00

The Paragon Braille Printer is a heavy-duty embosser that can print on tractor-feed paper from 20 to 100 pounds in weight and up to 15 inches in width. An operating speed of 40 characters per second enables the Paragon to print more than 120 pages per hour. Other features include: the ability to combine text and graphics, a multi-copy buffer that frees the computer for other work, and a multi-strike feature that places braille on heavy plastics and some light metals. Paragon is compatible with braille translators for the IBM, Apple, and Macintosh.

Optional software is available to print raised characters. A single-sheet operation option is also available.

Product Name: PowerBraille 40, 65, & 80

Vendor: TeleSensory Corporation

Size: 12" x 11.5" x 1.5"

Weight: 5 lbs.

Cost: Contact manufacturer

PowerBraille 40, 65, & 80 are refreshable braille displays for notebook and desktop computers. All three models offer interactive Grade 2 braille and touch cursor routing buttons that let the user move the system cursor to any character on the display for easy editing. Each user can also assign functions to the front panel keys. Other features include separate buttons for cursor and display movement, a tactile ruler for column position, and two serial ports and one parallel port with printer pass through for use with any computer. PowerBraille's battery can operate for seven hours. In addition, PowerBraille operates with an off-the-shelf power adapter or a car cigarette lighter adapter. All PowerBrailles include the user's choice of screen review software.

PowerBraille 40 features a 40-cell display, 65 features a 65-cell display (designed to be an effective size for most Microsoft Windows applications), and 80 features an 80-cell display.

Product Name: Ransley Braille Interface (RBI)

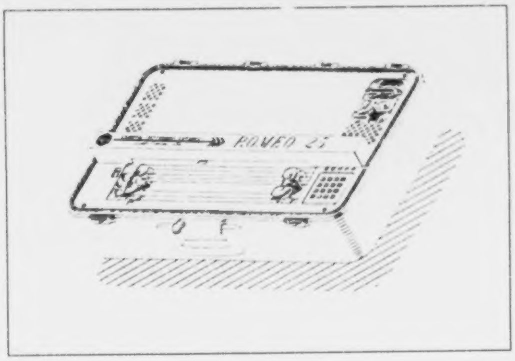
Vendor: HumanWare, Inc.

Computer: All (Hardware Independent)

Cost: $1,010.00

The Ransley Braille Interface (RBI) is a box that connects between any standard computer or computerized source and any standard Braille embosser. Automatically formatted Grade II Braille can then be produced in the same way that printed output would be generated from a non-Braille printer.

Knowledge of Braille is not required to use the RBI. The RBI is appropriate for low-volume production of materials that do not require special formatting.



Product Name: Romeo Brailler Model RB-25

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 21.5" x 13.5" x 6"

Weight: 27 lbs.

Power Source: 120V AC

Cost: $2,295.00

The Romeo Brailler Model RB-25 is a single sided braille embosser. The RB-25 features full carriage width, multi-strike capability, graphics mode, can braille on paper from 20 to 100 pound tag at a speed of 25 characters per second. The RB-25 has both a parallel port and a 25-pin serial port, uses tractor feed paper, and has a calculator style keypad which is used to configure the printer. A carrying case is included.

A single sheet feed option is available.

Product Name: Romeo Brailler Model RB-40

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 21.5" x 13.5" x 6"

Weight: 27 lbs.

Power Source: 120V AC

Cost: $3,495.00

The Romeo Brailler Model RB-40 is a single sided brailler that can braille at a speed of 40 characters per second. The RB-40 has a specially designed die bar for producing high resolution graphics and can braille on paper from 20 to 100 pound tag. The RB-40 has both a parallel port and a 25-pin serial port, uses tractor feed paper, has a calculator style keypad used to configure the printer, and features a low power consumption mode for periods of inactivity. A suitcase style carrying case is included.

Product Name: TEXTALKER

Vendor: American Printing House for the Blind (APH)

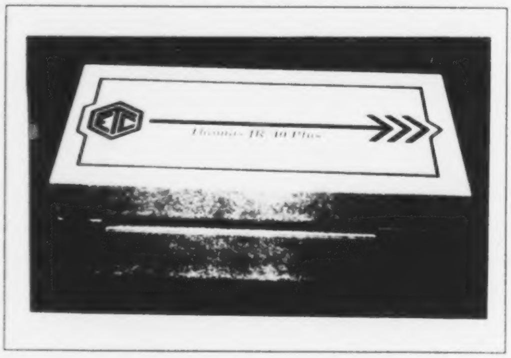
Computer: Apple II Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $21.75

TEXTALKER is a version of the Textalker.Blind program that comes on the Echo speech synthesizer utility disk. This version, by the American Printing House for the Blind, adds new features designed to improve access by speech. The program provides speech output of text displayed on the computer screen, allowing access to standard software programs for users unable to see the screen. Some new features include: review of tabular information by the column, repeat filter to eliminate multiple characters, faster selection of lines in review mode, ability to enter review mode at any time, and removal of pronunciation of "backspace" for left arrow key. TEXTALKER also provides "Intro," an electronic version of the manual readable with the Echo, and "Review," a program that provides control over the Echo's various speech modes.

An appropriate Echo speech synthesizer is required to use TEXTALKER. TEXTALKER includes versions for DOS 3.3 and ProDOS.



Product Name: Thomas Brailler

Vendor: Enabling Technologies Company

Computer: All (Hardware Independent)

Size: 11.5" x 24.6" x 9.4"

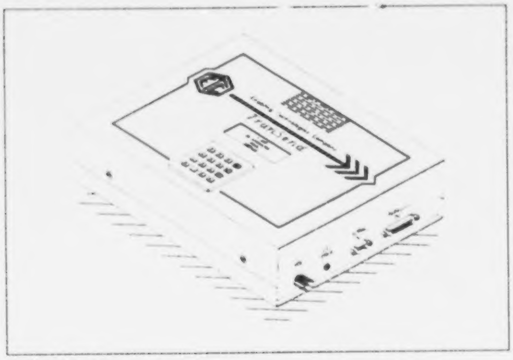
Weight: 52 lbs.

Power Source: 120V AC

Cost: $2,995.00

The Thomas Brailler is a single sided desktop braille printer that can handle a full range of tractor-feed paper from 20 to 100 pounds in weight and up to 15 inches in width. Thomas can also place high quality braille on heavy plastics, light metals such as aluminum, and vinyl sheets. The operating speed of 40 characters per second allows the Thomas to produce more than 120 pages per hour. Other capabilities include: a multi-copy buffer that frees the computer for other work, dual controls, vertical printing, high-resolution graphics that allows the user to combine text and graphics, and raised print characters. The Thomas has both serial and parallel connection ports and comes with a calculator style keypad which is used to configure the printer and a low power consuption mode in periods of inactivity.

A single sheet feed option is available.



Product Name: TranSend System

Vendor: Enabling Technologies Company

Computer; Apple Macintosh Family, IBM PC Family

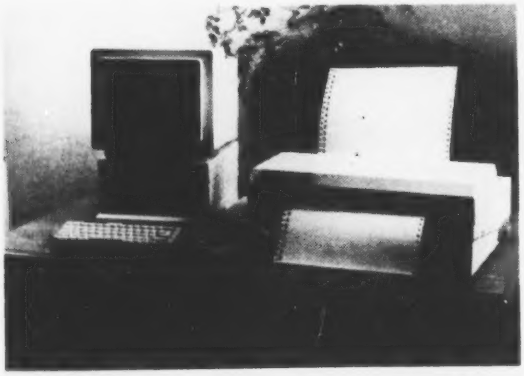
Size: 12" x 9.5" x 3"

Weight: 9.5 lbs.

Cost: $1,005.00 - $5,600.00

TranSend is a control unit that translates text from the computer into print and braille on the same page, line for line. TranSend can produce standard sized print, large print, grade 1 braille, grade 2 braille, or regular/large print with grade 1-2 braille on the same page. TranSend has a 512,000-character memory which can act as a printer buffer.

TranSend can be purchased as part of a package or separately. The package includes the TranSend control unit, Epson FX-870 or FX-1170 ink printers, and user's choice of a Romeo RB-25 ($3,900.00), Thomas ($4,600.00), or Juliet ($5,600.00) braille embosser. The TranSend control unit alone costs $1,005.00 and requires the previously existing embosser to be updated for $110.00. Contact manufacturer for more details.



Product Name: VersaPoint-40 Braille Embosser

Vendor: TeleSensory Corporation

Computer: All (Hardware Independent)

Power Source: 120V AC

Cost: $3,795.00

VersaPoint-40 Braille Embosser is a 40 character per second braille embosser. The system has a moveable platen which allows the VersaPoint to place a braille dot anywhere on the page. Each solenoid only needs to braille four cells per line, which reduces strain on the embossing heads. Paper type and width are user selectable up to 13 inches. VersaPoint uses tractor fed paper, prints six- or eight-dot braille, has a 30,000 character buffer, and uses standard parallel and serial ports. All configuration control parameters are easily set through the control panel rather than DIP switches.

The placement of the braille dots is completely software controlled, which enables the use of sideways embossing to allow printing of a full screen of information that retains exact screen format.

Chapter 17

Speech Synthesizers

This chapter includes both hardware and software speech synthesizers. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. This makes speech synthesizers suitable for a number of different applications, including voice output software for communication (Chapter 5), voice output education, training and therapy programs (Chapters 19 and 20), and screen access programs for visually impaired computer users (Chapter 14).

These synthesizers are components designed to be used by other application programs. Some are circuit cards that install inside a computer; others are external components that connect to an input/output port on the computer. Some brands are designed for specific software; others can be operated with a wide variety of software.

Hardware and software products that use speech synthesizers are cross-listed under a number of functions in Index 1, including Screen to Voice (SV), Phone Control (PC) and Education, Training and Therapy (ET). In Index 2, check the feature Output/Display: Speech. Contact the synthesizer manufacturer for more information about what software works with a particular model.

The following product entries appear in this chapter:

Accent-MC, *525*
Accent-PC, *525*
Accent-SA, *526*
Artic TransPort, *526*
Audapter Speech System, *527*
CallText 5000, *527*
DECtalk, *528*
DECtalk PC & DECtalk Express, *528*
DJ ProPack Speech Module, *529*
Echo II, *529*
Echo LC, *530*
Echo PCII, *530*
Echo-PC, *531*
Infovox 500, 700 & 750, *531*
Keynote GOLD, *532*
Lite Talk, *532*
Messenger-IC, *533*
Mini Transport II, *533*
MultiVoice, *534*
SmarTalk, *534*
Sounding Board, *535*
Speak-Out, *535*
SynPhonix 210 and 215, *536*
SynPhonix 310 and 315, *536*
SynPhonix P27, *537*
VocaLite, *537*
VoiceCard, *538*

The following products from other chapters can also be used as Speech Synthesizers:

Braille 'n Speak, *469*
Communication Icon Galleries CD-ROM, *78*
DAC, *126*
David, *471*
Echo II with Textalker & Echo II with
  Textalker-GS, *472*
Handy Speech Communication Aide, *134*
IntroVoice VI, *399*
Micro IntroVoice, *413*
Micro IntroVoice II, *414*
VoiceBachs, *159*

No Photograph Available

Product Name: Accent-MC

Vendor: Aicom Corporation

Computer: IBM PS/2 Family

Size: 3.5" X 11.5" X 0.5"

Weight: 0.75 lbs.

Cost: $745.00

Accent-MC is a speech synthesis board that plugs into IBM PS/2 microchannel computers. Speech output comes directly from the PS/2 speaker if no external speaker or headphones are connected. The Accent text processor can speak in two modes: text mode, which converts text to speech using preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of more than 20,000 words; an adjustable speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create pronunciation dictionaries of roughly 500 words of up to ten characters each. A software program (included) allows synthesizer settings to be saved for later use.

The Accent-MC has a 2K text buffer. Two 3.5 mm jacks for plugging in an external speaker or headphones are included. A foot pedal for controlling Accent-MC is available (extra). A screen review software program must be purchased separately; contact manufacturer for information on compatible programs.

No Photograph Available

Product Name: Accent-PC

Vendor: Aicom Corporation

Computer: IBM PC Family

Size: 5.2" x 10.5" x 0.5" (maximum component height)

Weight: 0.75 lb.

Cost: $745.00

Accent-PC is a single board microcomputer that plugs into an IBM-PC or compatible to provide speech synthesis. The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 ten-character words.

A standard RS-232C serial port is provided for interface with a computer, terminal, or printer; the user can select either the PC or the RS-232C as Accent-PC's host. A screen review voice output program must be purchased separately to operate Accent-PC.

No Photograph Available

Product Name: Accent-SA

Vendor: Aicom Corporation

Computer: IBM PC Family

Size: 5.7" x 8.5" x 1.6"

Weight: 2.5 lbs.

Cost: $995.00

Accent-SA is a stand-alone version of the Accent-PC (see entry). The Accent text processor can speak in two modes: text mode, which converts text to ordinary speech observing preprogrammed grammatical and other rules, and spell mode, which speaks all text and punctuation character by character. Other features include: a standard text processor with a preprogrammed vocabulary of over 20,000 words; speech rate of approximately 60 to 850 words per minute; use of CTRL-X to instantly empty the speech buffer; and a Downloadable Custom Dictionary (DCD) to create dictionaries of roughly 500 ten-character words.

A standard RS-232C serial port is provided for interface with a computer; a battery and AC adapter are also included. Speech output software must be purchased separately.

No Photograph Available

Product Name: Artic TransPort

Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Family

Size: 4" x 7" x 1.4"

Weight: 1.25 lbs.

Cost: $895.00 - $1,295.00

Artic TransPort is a portable pocket-sized speech synthesizer. Artic TransPort connects to the computer's serial port and is powered by its own rechargeable batteries. An internal memory is provided, for storing configuration, data and program files. These can then be loaded into a computer when the Artic TransPort is connected.

Artic TransPort is available in two models. TransPort 615 contains the Business Vision screen reading program stored in ROM, ready to be loaded on to a computer when the TransPort is connected. The transfer can be done automatically, with no need to read information on the computer screen. Transport 611 comes without Business Vision, for use with other screen reading software.

Audapter
PDS

Product Name: Audapter Speech System

Vendor: Personal Data Systems, Inc.

Computer: All (Hardware Independent)

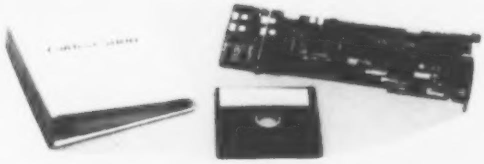
Size: 5.5" x 9" x 2.5"

Weight: 3 lbs.

Cost: $895.00

Audapter is a speech output hardware system for converting alpha-numeric text to speech. The speech rate ranges up to 700 words per minute, and instantaneous speech halt controls are included. Menu selections allow users to set speech rate, voice, pitch, and other parameters, and to save settings in non-volatile memory.

Audapter can be used with any computer that can send ASCII text over a standard serial interface. No additional software is required to run Audapter. An internal battery pack is optional. Speech output software must be purchased separately.



Product Name: CallText 5000

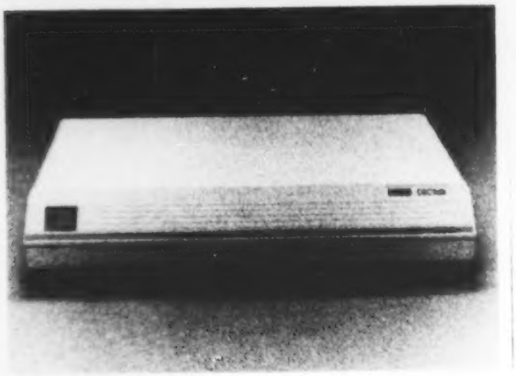
Vendor: Centigram

Computer: IBM PC Family

Cost: $3,225.00

CallText 5000 is an internal circuit card that provides highly intelligible synthesized speech output for the IBM-PC. CallText 5000 converts any sequence of ASCII characters routed to it into English speech. A speaker can be connected directly to the board. CallText 5000 can also answer incoming phone calls, send a synthesized speech message, and dial outgoing calls. Three different male voices are provided.

For information about what programs designed for voice output are compatible with CallText 5000 (such as screen display to voice output programs), contact the manufacturer. Price is negotiable for consumers with disabilities.



Product Name: DECtalk

Vendor: Digital Equipment Corporation

Computer: All (Hardware Independent)

Weight: 19 lbs.

Cost: $4,495.00

DECtalk is a full-featured voice synthesizer compatible with many computer systems. DECtalk offers nine different voices (four male, four female, one child) as well as sentence rhythm and intonation. DECtalk converts text sent from the host computer to a pronunciation code using a combination of dictionaries and letter-to-sound rules. DECtalk then takes into consideration surrounding words and their effects on individual pronunciations. Rate of speech is adjustable from 120 to 350 words per minute. DECtalk provides a user-specified dictionary for commonly used acronyms, trade terms, and special words. DECtalk may "speak" through its internal speaker, headphones, an external speaker, or over the telephone.

DECtalk accepts input from the computer through a standard RS-232C communications port. For a demonstration of DECtalk over the telephone, interested parties may call (800) DEC-VOIC.

No Photograph Available

Product Name: DECtalk PC & DECtalk Express

Vendor: Digital Equipment Corporation

Computer: IBM PC Family

Cost: $1,199.00

The DECtalk PC is a personal computer option card for IBM compatiable computers that can accept text from any application and turn it into synthesized speech output. The sythesized speech capibility of the card includes nine predefined voices and one user defined voice; the rate of speech varies from 120 to 550 words per minute. The card connector is 8, 16, or 32 bits and fits into a full size PC option slot. The DECtalk Express is an external and portable version of the speech synthesizer.

Both versions include volume control and a user's manual.

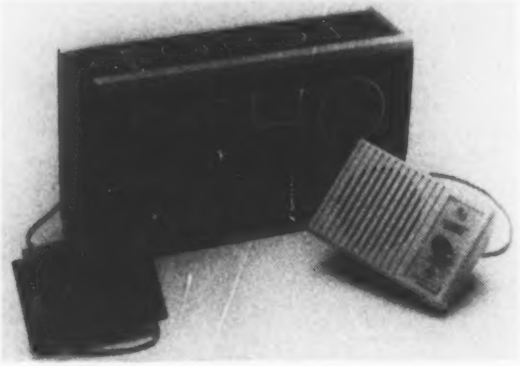
Product Name: DJ ProPack Speech Module

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $50.00

The DJ ProPack Speech Module is a software speech synthesizer that pronounces numbers and words correctly in context. The ProPack works with speech-ready Don Johnston software products including Write:OutLoud 2.0, Co:Writer 2.0, Ke:nx 3.0, and Ke:nx On:Board 3.0.



Product Name: Echo II

Vendor: Echo Speech Corporation

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $116.95

Echo II (formerly Echo IIb) is a speech synthesizer for the Apple IIGS, II+, and IIe. The Echo II consists of a circuit card (fits in an expansion slot in the Apple), and an external speaker unit with volume control and headphone jack.

Programs can be written for the Echo II; there are also many programs already designed for use with the Echo II (contact Echo Speech Corporation for a list). This model will also work with many programs written for the Echo IIb or Echo +. The Echo II comes with a disk containing a number of demonstration and utility programs.

Product Name: Echo LC

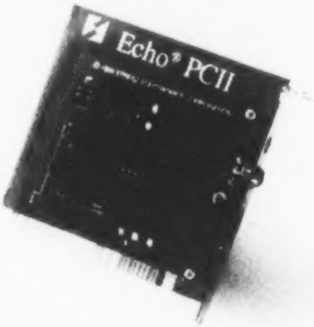
Vendor: Echo Speech Corporation

Computer: Apple IIc, Apple Macintosh Family

Cost: $116.95

Echo LC is a speech synthesizer for Apple IIc, Apple IIc+ or Macintosh LC computers. If used on the Mac LC, the Mac must be in IIe emulation mode. The Echo LC plugs into the modem port which is built into the computer. The Echo LC produces synthesized speech and also contains a dictionary of words encoded in female voice for natural-sounding playback. Volume control and headphone jack are provided.

The Echo LC is the successor to the Cricket and Echo IIc. It is compatible with the same body of software which supported these earlier products.



Product Name: Echo PCII

Vendor: Echo Speech Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $89.00

Echo PCII is a speech synthesizer for the IBM PC, XT, AT, PS/2 Models 25 and 30, and compatibles. The Echo PCII comes with a text-to-speech program, Textalker, as well as a dictionary of over 1000 words which have been encoded in female voice for natural-sounding playback. The Echo PCII is compatible with numerous third-party software titles in early and special education; contact manufacturer for titles. The Echo PCII is also capable of emulating the IBM Speech Adaptor product, and will work with titles written to support it, such as "Listen to Learn."

The Echo PCII package is comprised of the Echo circuit board, the necessary software on 3.5" and 5.25" disks, an external speaker with headphone jack and volume control, and documentation.

Product Name: Echo-PC

Vendor: Echo Speech Corporation

Computer: IBM PC Family, IBM PS/2 Family

Cost: $116.95

The Echo-PC is a speech synthesizer for IBM PC and compatible computers. A stand-alone device which operates off the computer's serial port, the Echo-PC speaks ASCII text sent to it. The Echo-PC is compatible with most screen reading programs used by blind individuals. It features 16 different rates of speech, weighs less than a pound, and is battery operated.

No Photograph Available

Product Name: Infovox 500, 700 & 750

Vendor: Reading Technology

Computer: IBM-PC PC, IBM-PC XT, IBM PC AT, IBM PS/2 Models 25/30

Cost: Contact manufacturer

Infovox 500, 700, & 750 are speech synthesizers with five built-in voices which can be further defined by changing pitch and intonation. With the included software, the text can be read continuously, sentence by sentence, line by line, word by word, or character by character. The reading speed can be varied and increased up to 400 words per minute. Eleven languages can be produced: American and British English, French, German, Italian, Spanish, Swedish, Norwegian, Danish, Finnish, and Icelandic.

Infovox speech synthesizers are manufactured in Sweden by Telia and distributed in the United States by Reading Technology.

Product Name: Keynote GOLD

Vendor: HumanWare, Inc.

Computer: IBM PC Family, Toshiba Laptops

Cost: $1,500.00 - $5,000.00

Keynote GOLD is a speech synthesizer available for Toshiba laptops and IBM computers as either an internal card or external box. The synthesizer has 256K of memory and its own digital speech processor so that the computer's memory is not required for speech output.

Three models are available: a half size internal card for PCs, a card for laptops, and a stand alone version which plugs into the serial port. Keynote GOLD works with MasterTouch screen reading software as well as Keysoft and Sound-Proof (screen access and word processing software). Several languages are also available.

No Photograph Available

Product Name: Lite Talk

Vendor: Blazie Engineering

Computer: IBM PC Family

Size: 2" x 3" x 6"

Weight: 1 lb.

Cost: $495.00

Lite Talk is a small speech synthesizer that connects to the computer through the serial or parallel port. Lite Talk features include a thumbwheel for controlling on, off, and volume and an earphone jack for private work.

MESSENGER-IC
Text-to-Speech Synthesizer

Product Name: Messenger-IC

Vendor: Aicom Corporation

Computer: IBM PC Family

Weight: 1.5 oz.

Cost: $995.00

Messenger-IC is a credit card size text-to-speech synthesizer with software commands and interface format that are compatible with Accent's Device Driver (see entry). The IC is fully supported by SystemSoft PCMCIA drivers Cardsoft and IBM PCMCIA drivers. The synthesizer accepts ASCII text as input under DOS/ Microsoft Windows or OS/2. Other features include realtime text-to-speech synthesis, on-board audio power amplifier with volume control, and a 2.5 mm phone jack for headphones or speaker.

No Photograph Available

Product Name: Mini Transport II

Vendor: Artic Technologies

Computer: IBM PC Family

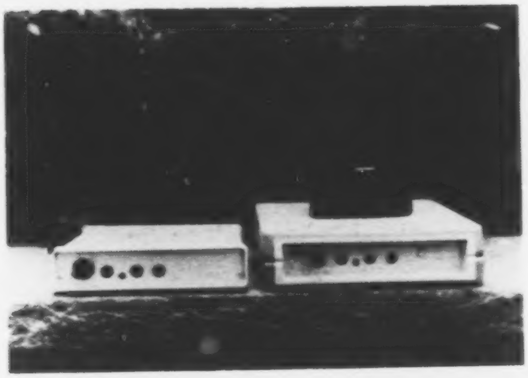
Size: 4.7" x 4.2" x 0.85"

Weight: 12 oz.

Cost: $995.00 - $1,195.00

Mini TransPort II is a portable synthesizer based on the Artic TransPort technology (see entry). Mini TransPort II features include: a message alarm clock, multi-synthesizer emulation, a quick-change battery pack, digital audio controls, and an internal speaker. Five built computer style keys are used for setup, Turbo, and running other features. A programmable Flash ROM acommodates internal program updates and gives 384K of extra memory.

Mini TransPort II is available in two models: Classic and Deluxe. The Deluxe model has an AdVEST text-to-speech translator, 832K ROM disk, and the Pocket Audio Lookup feature which allows the user to access the phone and address book without the computer.



Product Name: MultiVoice

Vendor: Institute on Applied Technology, Children's Hospital

Computer: All (Hardware Independent)

Size: 9" x 7.5" x 1.75"

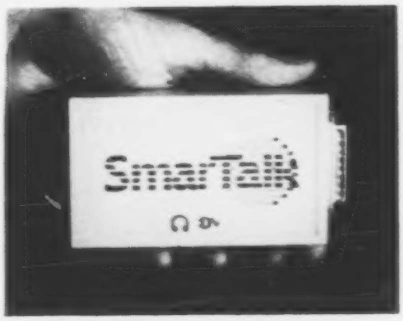
Weight: 3 lbs.

Power Source: Rechargeable battery

Cost: $1,200.00

MultiVoice is a battery powered portable speech synthesizer with an internal speaker based on Digital's DECtalk technology. MultiVoice connects to a computer's serial port, and thus can be used with any software or device that can drive a serial speech synthesizer. The MultiVoice has ten voices: four male, four female, one child and one custom.

An optional carry case is available.



Product Name: SmarTalk

Vendor: Automated Functions, Inc.

Computer: IBM PC Family

Size: 4.63" x 2.75" x 1"

Weight: 5 oz.

Cost: $369.00

SmarTalk is an external speech synthesizer that easily connects to all desktop and portable PC. SmarTalk functions include rewind, fast forward, index marker, and built in speaker. Speaking rates can reach 600 words per minute and a battery manager allows for over 40 hours of continuous speech on one battery. The synthesizer is compatible with most DOS and Microsoft Windows screen reading programs, including ASAP, JAWS, TinyTalk, Flipper, Screen Power, Soft VERT, Vocal-Eyes, An Open Book, JAWS for Windows, Outspoken for Windows, Window Bridge, and others.

The purchase price includes the synthesizer, AC adapter, software, and manual.

Product Name: Sounding Board

Vendor: GW Micro

Computer: IBM PC Family, IBM PS/2 Models 25/30, Toshiba Laptops

Cost: $395.00 each

The Sounding Board is a speech synthesizer that is installed inside the computer. Features include "fastforward" and "rewind," hyperscan, and format and capitalization cues. The Sounding Board has ten levels of pitch, volume, and speech rate, and 26 levels of tone. The system also includes interactive "hot keys" for entering commands.

The Sounding Board comes in four models. The Sounding Board, for IBM PC and PS/2 Model 25 and 30 computers, has 16K onboard RAM, and an external Super Speaker. The Sounding Board LT, XE, and the Sounding Board Lite, for Toshiba laptop computers, include a monophonic headset. All models require purchase of speech synthesis software; contact manufacturer for information on compatible programs. The warranty lasts for one year.

Product Name: Speak-Out

Vendor: GW Micro

Computer: IBM PC Family

Size: 5.25" x 5.25" x 1.5"

Weight: 1 lb.

Cost: $650.00

Speak-Out is a battery powered external synthesizer that can be connected to any computer or other device with a serial or parallel port. Features include: capacity for 26 alarms, a reload switch for uploading software through the serial port, and a rapid charge circuit.

Speak-Out comes with a carrying case with space for the AC adapter/charger, a disk pocket, a belt clip, a short carrying strap, and a long carrying strap. A serial cable is included and a parallel cable is available for a nominal charge. Software for use on PC compatible computers is included.

No Photograph Available

Product Name: SynPhonix 210 and 215

Vendor: Artic Technologies

Computer: IBM PC Family, IBM PS/2 Models 25/30

Cost: $395.00 - $895.00

SynPhonix 210 is an internal speech synthesizer for IBM PC and PS/2 Models 25 and 30 computers. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. The SynPhonix 210 can also be used to produce music, sound effects, and simulated singing. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access programs.

SynPhonix 210 is $395.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 215 is the SynPhonix 210 bundled with the VEST text-to-speech translator and either Artic Vision ($795.00) or Business Vision ($895.00) speech synthesis software. Options for the 215 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

No Photograph Available

Product Name: SynPhonix 310 and 315

Vendor: Artic Technologies

Computer: IBM PS/2 Family

Cost: $695.00 - $1,095.00

SynPhonix 310 is an internal speech synthesizer for IBM PS/2 Models 50 and above (MicroChannel based) computers. Text sent from the computer to the synthesizer is translated into phonetically correct English pronunciation and spoken in a synthesized voice. The voice can come through the on-board speaker, a small external speaker, or headphones (all included). The user can control various qualities of the speech, including rate, pitch, and amplitude. Volume and treble controls are located externally. The Artic Switch Interface (built in) allows switches to be plugged into the computer for use with Artic's screen access program.

SynPhonix 310 is $695.00, including PortTalk, a software program allowing the user to route output to the SynPhonix as if it were connected to a printer port. SynPhonix 315 is the SynPhonix 310 bundled with the VEST text-to-speech translator and either Artic Vision ($995.00) or Business Vision ($1,095.00) speech synthesis software. Options for the 315 include Turbo-Pedals ($150.00) which can be pressed with the foot to provide Fast Forward, Rewind, access to Review mode, and instant Quiet capability.

No Photograph Available

Product Name: SynPhonix P27

Vendor: Artic Technologies

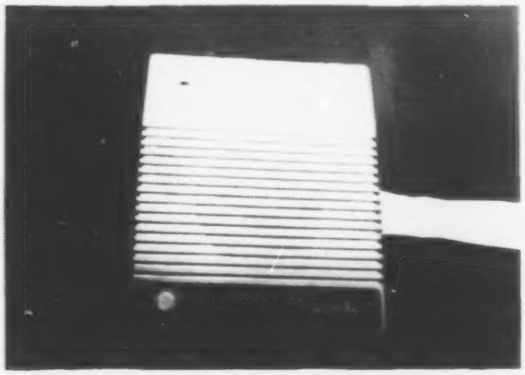
Computer: IBM PC Family

Size: Credit card size

Cost: $995.00

SynPhonix P27 is a portable internal PCMCIA speech synthesizer. No interface cables and power adapters are required and the P27 runs off of a small amount of the portable computer's power. Volume and tone are controlled with software. A miniature audio jack is located at the end of the P27 for plugging in an external speaker or headphones.

P27 works with all modern laptop computers containing the industry standard PCMCIA Type 2 or Type 3 slots.



Product Name: VocaLite

Vendor: Words+, Inc.

Computer: All (Hardware Independent)

Cost: $399.00

VocaLite is a stand alone, lightweight speech synthesizer. The synthesizer features Smooth Talker software (see separate entry) and a speaker/amplifier built into one unit. The device has a speaker, battery, volume control, and computer interface. The speech output is variable in pitch and speed but only male speech is provided.

VocaLite is compatible with most laptop and desktop computers. An upgrade is available for those users with Smooth Talker.

No Photograph Available

Product Name: VoiceCard

Vendor: GW Micro

Computer: IBM PC Family

Cost: $999.00

VoiceCard is a speech synthesizer designed to be installed into an IBM-compatible 386 or better laptop computer which has a PCMCIA type II or III slot. VoiceCard is supported by Vocal-Eyes, Window-Eyes, and most other screen access software.

The standard version speaks English but a multi-lingual option that provides German, French, Spanish, and Italian is available for an additional $245.00.

Chapter 18

Other Software and Hardware Adaptations

This chapter includes miscellaneous adaptations which do not fit into Chapters 11 - 17, but which are not applications software. Some examples of products in this chapter are: disk loaders, special desks, devices that slow computers down, systems for printing screen images, and software that will convert keyboard-operated programs into scanning programs.

Adaptations that are designed to modify the operation of the standard keyboard, such as keyguards, are listed in Chapter 11.

The following product entries appear in this chapter:

AbleOffice, *541*
ADJUSTable, *541*
Apple IIGS Owner's Guide: Disk Edition, *542*
AppleWorks Manuals: Special Editions, *542*
Brailled Keyboard Model--Apple IIe, *543*
CompuDesk HCP, *543*
Computer Workstation Furniture, *544*
Comtel, *544*
Disk Guide (2485), *545*
DOS Tape, *545*
Dual Channel Headset, *546*
EasyRiser, *546*
Generation IV Adjustable Computer Tables, *547*
Governor (2464), *547*
IntelliKeys Overlay Maker, *548*
Ke:nx Easy Overlays, *548*
Media Handling Products, *549*
Modular Turntable Desks, *549*
Rx WorkStation, *550*
Scanning Conversion Program, *550*
Talk-to-Me Tutorial Cassettes, *551*
Talking Utilities for ProDOS, *551*
TarsalRest, *552*
Variable Height Desk, *552*

The following products from other chapters can also be used as Other Software or Hardware Adaptations:

Moisture Guard, *355*
SafeSkin Keyboard Protector, *363*

Product Name: AbleOffice

Vendor: CRT, Inc.

Computer: IBM-PC XT, IBM PS/2 Family

Cost: $19.00 - $3,450.00

AbleOffice is a modular workstation which can be configured for computer users with a wide range of mobility or upper extremity disabilities. AbleOffice provides one of three levels of assistance: unpowered, powered with switch controls, and entirely computer controlled. A control program and robotic arm are also available. The fourteen available modules include a keyboard mount, a telephone platform, and file and reading reference carousels.

Contact manufacturer for further technical, price, and ordering information.

Product Name: ADJUSTable

Vendor: Northport, Inc.

Computer: All (Hardware Independent)

Size: See text

Weight: 90 lbs.

Cost: $835.00 - $849.00

ADJUSTable is an adjustable work station that can be moved to any setting between 25" and 50" while the user is sitting or standing. The device can support a variety of accessories and perpheral devices such as monitor arms and drafting equipment.

Available accessories include: variable angle tabletop ($16.50), CPU stand ($59.75), side storage box ($39.95), casters ($37.75), and supplmental pneumatic cylinders ($19.50) for lifting increased loads. Two models are available: Model JS tabletop measures 31.5" x 31.5" and Model JL measures 31.5" x 39.5".

Product Name: Apple IIGS Owner's Guide: Disk Edition

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIGS

Manual Form: Electronic Manual

Cost: $5.00

The Apple IIGS Owner's Guide: Disk Edition is an ASCII text version of Apple Computer, Inc.'s Apple IIGS Owner's Guide on a single 3.5" disk. The disk contains a manual-reading program, permitting the user to read the entire guide with a speech synthesizer. The user may also print a large type or Braille copy of the text.

An appropriate Echo speech synthesizer is required.

Product Name: AppleWorks Manuals: Special Editions

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Cost: $23.90

AppleWorks Manuals: Special Editions include a four-track cassette version of the AppleWorks Tutorial, a 3.5" disk version of the AppleWorks Reference Manual, and braille and large type instructions called "Getting Started with Your AppleWorks Manuals." This product contains the manuals only and not the AppleWorks program.

System requirements include 128K RAM, a 3.5" disk drive, and an Echo, Slotbuster, or DoubleTalk speech synthesizer.

Product Name: Brailled Keyboard Model--Apple IIe

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIe

Size: 13" x 6"

Cost: $11.40/package of five

Brailled Keyboard Model--Apple IIe is a full-scale replica of a standard Apple IIe keyboard with keys identified in Braille. Certain keys with long names feature abbreviated or coded Braille identifications. The Brailled Keyboard Model is not an actual keyboard, but a training tool so that Braille readers can become comfortable with key positions before using an actual Apple IIe keyboard.

Product Name: CompuDesk HCP

Vendor: Craner Cabinetry

Computer: Apple II Family, Atari Family, Commodore Family, IBM PC Family, IBM PS/2 Family

Size: 42" x 24" x 48"

Weight: 225 lbs.

Cost: $1,095.00 - $1,195.00

CompuDesk HCP is an adjustable workstation designed specifically for computer users who have disabilities. The main work area can be adjusted with a hand crank in order to accommodate a variety of wheelchair heights. CompuDesk HCP is designed so that the user's arms will be naturally positioned for increased efficiency and comfort. CompuDesk HCP will accommodate a microcomputer, a monitor, a printer, external disk drives, printer paper, an expanded keyboard, and other necessary materials.

Two models are available. The HCP 4800 has a rollout, adjustable angle shelf which rests on the arms of the wheelchair and costs $1,095.00. The HCP 6000 has a "U" shaped cutout which adjusts in width and costs $1,195.00. Modified and custom designed tables are also available; contact manufacturer for details.

No Photograph Available

Product Name: Computer Workstation Furniture

Vendor: Various (Generic Product)

Cost: Varies

Research in human factors engineering and ergonomics has demonstrated the need to set up computer workstations that accommodate individuals. This includes the ability to place monitors and keyboards at an appropriate height and distance, and the provision of positioning support for the user's wrists. For example, monitor positioning devices are available as swivel stands, adjustable and extending arms, or integrated as shelving within a desk. Products labelled as "ergonomic" tend to be a bit more expensive than those which were not specifically designed with human factors in mind. However, appropriately designed and individualized workstations may be required to accommodate persons with disabilities.

Some manufacturers who provide products specifically for persons with disabilities also design and sell computer workstation tables. Specific sources can be found in local yellow pages, in the manufacturer list of this book, in listings from local rehabilitation service delivery programs, and often in gift specialty catalogs that carry personal convenience types of devices.

No Photograph Available

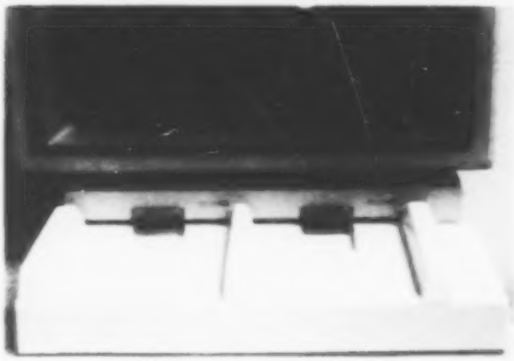
Product Name: Comtel

Vendor: Acrontech International, Inc.

Size: 4" x 6" x 1.25"

Cost: $425.00

Comtel is an audio mixer that allows a blind computer user to access computer information while talking to a telephone caller. Comtel includes a set of headphones with a microphone to leave the user's hands free to access the computer keyboard. The volume of the computer speech and the telephone can be controlled independently and the user can select to hear the caller in one ear and the computer in the other or to hear the caller and the computer in both ears. A tape recorder ouput jack is included for transcription.



Product Name: Disk Guide (2485)

Vendor: TASH, Inc.

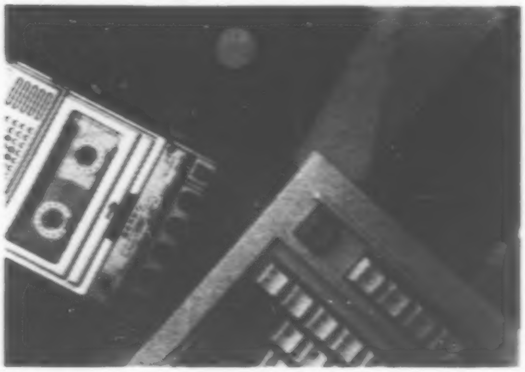
Computer: Apple II Family

Size: 15" x 8" x 3.5"

Weight: 1.5 lbs.

Cost: $70.00

Disk Guide is a molded plastic base that rests in front of an Apple II computer disk drive. The guide provides a channel for a disk to be rested in while it is being slid into the drive. This guide will allow hand, foot, or mouthstick to be used to insert a disk.



Product Name: DOS Tape

Vendor: Audio Computer Information, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $15.95

The DOS Tape is an audio tape tutorial that teaches users how to operate DOS for IBM PC and compatible computers. The second edition of the tape covers Version 6 of DOS, and is also suited to any version of DOS in use.

The DOS Tape comes with a printed reference card on DOS commands. The National Braille Press also sells the tape with a braille reference card. Other tapes are available on Microsoft Windows and modem issues.

Product Name: My Paint & Talking Coloring Books

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, IBM PC Family

Cost: $90.00

My Paint & Talking Coloring Books is a software package designed to encourage creativity, reinforce vocabulary and concepts, and offer recreational enjoyment for students with special needs. My Paint is a drawing program with large menu icons, different brush sizes, and many other features. My Paint can be used alone or in conjunction with the First Words I & II, First Verbs, and Circus Talking Coloring Books. Each Coloring Book has 20 talking pictures. No reading is required and the programs can be used with touch screen or mouse.

Each of the four Talking Coloring Books can be purchased with My Paint separately for $50.00. The Apple IIgs version requires one 3-1/2" disk drive and 512K of RAM. The IBM version requires one 3-1/2" disk drive, hard drive, MCGA or VGA graphics, 640K of RAM, and one of the following speech devices: Sound Blaster, Echo PCII, the Sound Source, Adlib Personal Music System, Media MAster, or ProAudio Spectrum.

Product Name: MY SCHOOL: Language Activites of Daily Living

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $175.00 - $200.00

MY SCHOOL: Language Activities of Daily Living is an educational software program designed to teach students about the objects in their school environments. Students are presented with four activities: Discover Names, Identify Names, Discover Functions/Descriptions, and Identify Functions/Descriptions. These activities are placed in six school type settings: classroom, cafeteria, library, music-art room, playground, and hallway.

The program is available for Apple II computers for $175.00; IBM, Macintosh, and Apple IIGS versions are $200.00.

Product Name: MY TOWN: Language Activities of Daily Living

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple II Family, Apple Macintosh Family, IBM PC Family

Cost: $175.00 - $200.00

MY TOWN is educational software designed to acquaint the user with object names and their descriptions using familiar locations in a town. The program has four basic activities in six different settings. The activities include: discovering names (select an item within the scene on-screen and the program tells the user what it is), identifying names (program asks the user to find various items according to their names), discovering descriptions (select an item and the program gives a description of it), and identifying descriptions (program asks the user to find certain items according their description). Each of these activities can be explored within the context of graphics depicting a doctor's office, dentist's office, restaurant, park, city neighborhood, and suburban neighborhood. Over 100 objects can be located in the six settings.

The Apple II version ($175.00) requires 64K memory, a speech synthesizer, and a disk drive. The Apple IIgs version ($200.00) requires one 3.5" disk drive, and 1 MB of RAM. The IBM version ($200.00) requires 640K memory, a speech synthesizer, and a disk drive. The Macintosh version ($200.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Nasometer Model 6200-3

Vendor: Kay Elemetrics Corporation

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $2,950.00

The Nasometer is a microcomputer-based system for the assessment and treatment of nasalance problems associated with the voice. A pair of microphones, one oral and one nasal separated by a baffle plate, separate and record acoustic output from a speaker's nose and mouth. This information is transfered to the computer and a ratio is calculated based on the nasal to oral acoustic output and reported as a nasalance percent. The percent is a measure of the perceived nasality in the speaker's voice. Durational measures also appear automatically. The software includes the ability to place goals for patient attempts, as well as providing picture group and text stimuli for specific exercises. Nasometer games are also provided to reinforce positive results. The software is controlled with mouse pull down menues and predefined keys.

The Nasometer includes specialized hardware, interface card, cables, and headset. This device is designed for use by speech language pathologists and is not recommended for home use.

Product Name: New Frog & Fly

Vendor: Simtech Publications

Computer: Apple Macintosh Family

Cost: $20.00

New Frog & Fly is a single switch accessible software program with high resolution color animation and sound. Select from a variety of switch activities ranging from basic cause and effect to speed training.

Product Name: Numeric Concepts I and II

Vendor: BrainTrain

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family, IBM PC jr, IBM PS/2 Family

Cost: $149.00 - $249.00

Numeric Concepts I and II are two computer software modules developed for use as an introduction to eight basic numeric concepts. Three levels of difficulty are included. The puzzle-type format is used to help students understand numeric concepts and develop memory. Numeric Concepts I evaluates and teaches discrimination, combination, number line logic, and dimensions. Numeric Concepts II evaluates and teaches distinctions, ordinal numbers, sequence, and classification. Numeric Concepts I and II each contain four programs.

A computer with 64K (Apple) or 512K (IBM) of memory, one disk drive, and a color monitor are required. The programs may be run using either a joystick (extra) or the keyboard. Each program is $149.00; the two programs may be purchased together for $249.00. Contact manufacturer for information about lab pack prices.

Product Name: Occupations

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family

Cost: $35.00

Occupations is a software educational program designed to teach the user about jobs in the community. The program can be used by one to four players and their task is to identify a fireman, teacher, police officer, gas station attendant, dentist, and doctor. On Level I, the user selects any community worker. On Level II, the user also chooses the correct environment for that worker.

The program runs on Apple IIe and IIGS computers as well as Macintosh LC or LCII. The program requires either the PowerPad or IntelliKeys for use.

Product Name: Octobus

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $109.00

Octobus is a software program designed for individuals with head injuries, stroke, or learning disabilites. The program's objectives are to correlate algebraic notations with the correct result, associate two words or two parts of a saying, recognize patterns and compositions, recognize corresponding melodies, and memorize the positions of selected pictures in a group. Eight games are offered and each can be executed in visual, memory, or combination modes. New word files can be added to tailor the exercise to the needs of the student.

System requirements are VGA and a mouse.

Product Name: Old MacDonald's Farm I and II

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00 - $36.00

Old MacDonald's Farm is a pair of computer programs based on the nursery song. Old MacDonald's Farm I has three levels. In level 1, the child selects any animal from the PowerPad overlay. In level 2, the child selects the correct animal when prompted by its name. In level 3, the child selects the correct animal after hearing its sound. Old MacDonald's Farm II, which is intended to teach use of prepositions, has two levels. In level 1, the child is required to find an animal associated with a particular preposition. In level 2, the child identifies the preposition from a choice of three animal locations.

An Echo speech synthesizer, PowerPad, and color monitor are required. An Intellikeys version is also available; the Apple IIe emulation card is required.

Product Name: On the Job Series - Career Interests

Vendor: Conover Company

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $59.95 - $149.00

The Career Interests program uses a sixty-question inventory to identify the basic interest patterns of the user. Results are first presented in six basic categories and then coverted to the twelve Guide for Occupational Exploration (GOE) scales. The highest areas of interest are then correlated to Conover's Education for Employment system. The program can be customized to include local resources, curriculum, or employers. Career Interests is writen at a fifth grade reading level but the program can be used with a speech processor (except in Apple II version) for users with lower or no reading ability.

System requirements for the IBM include MCGA or VGA graphics, 640K, 3-1/2" disk drive, and a speech processor. Requirements for the Macintosh version include a color monitor, system 6.05 or higher, and 2 MB RAM. Requirements for the Apple II version are 48K and a 5-1/4" disk drive. The IBM and Macintosh versions both sell for $149.00 and the Apple II version sells for $59.95.

Product Name: On the Job Series - Communication Skills

Vendor: Conover Company

Computer: IBM PC Family

Cost: $2,295.00

On the Job Series - Communication Skills is a job-specific diagnostic program. Each unit in the series covers the reading, writing, and other communication skills necessary to function in the workplace. The program is designed to show students what the specific occupation is, what persons in that job do, and skills necessary to perform that job.

Price is for the complete stand-alone computer system which includes 31 occupational areas, 31 student guides, a management system, and teacher's guide. Individual career areas are available for $79.95 each.

Product Name: On the Job Series - Mathematics

Vendor: Conover Company

Computer: Apple Macintosh Family, IBM PC Family

Cost: $4,495.00

The Mathematics program provides diagnostic tests of mathematical competencies in relation to specific careers and occupations. Programs for over fifty occupations are included. Each program features full-color computer graphics, immediate feedback, printed and scored reports, and an extensive management system.

Requirements for the IBM version include MCGA or VGA graphics, 640K, and two 3-1/2 " or 5-1/4" disk drives. Requirements for the Macintosh version include color, system 6.05 or higher, and 2 MB RAM. Price is for the complete stand-alone system. Individual occupation programs are available for $89.95. Contact the manufacturer for occupations.

Product Name: On the Job Series - Problem Solving Skills

Vendor: Conover Company

Computer: IBM PC Family

Cost: $1,365.00

On the Job Series - Problem Solving Skills is a job-specific diagnostic and skill enhancement program. Each unit in the series covers the skills necessary to think critically and solve problems related to the workplace. The programs are designed to teach students how to apply what they have learned to the problems and situations that arise in on-the-job settings.

Price is for the complete stand-alone computer system which includes 12 occupational areas, 12 student guides, 7 skill enhancement units, a management system, and a teacher's guide. Individual career areas are available for $79.95 each.

Product Name: One Switch Picasso

Vendor: Simtech Publications

Computer: Apple Macintosh Family

Cost: $20.00

One Switch Picasso is a switch accessible software program that allows users to draw and color a picture. Users can select from four different pictures.

Product Name: Opening Windows

Vendor: American Printing House for the Blind (APH)

Computer: IBM PC Family

Cost: $49.95

Opening Windows is a tutorial kit designed to teach blind and visually impaired computer users the various operations of Microsoft Windows. The kit includes: 11 tactile computer screen reproductions showing the layout of different Windows screens, an audio cassette tutorial, and a 3.5" disk with practice files.

Product Name: Opposites and Similarities Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Opposites and Similarities Plus for Windows is a software program designed to strengthen word retrieval and vocabulary. Users are asked to find word pairs that are the opposite of one another or that are similar to one another. The program presents a word and then asks the user to find an appropriate word from a list of words. Opposites and Similarities Plus requires Microsoft Windows.

Product Name: Order Processing

Vendor: Attainment Company

Computer: Apple II Family, IBM PC Family

Cost: $295.00

Order Processing is a software program designed to teach students how to process customer orders by entering information from printed account cards. Level One asks the user to enter a three digit number from an account card, then select the method of payment. Level Two requires the user to move to a different screen to check quantities ordered. Level Three requires the user to check the complete order and use inventory information to determine whether there is enough quantity. Level Four requires all ten data fields to be entered.

Program includes a 3.5" and 5.25" disk, a site license agreement, 255 acount cards with storage case, and instructions. An Apple II or IBM compatible computer, one disk drive, and a monitor are required to use Order Processing; a printer is optional.

Product Name: Padded Food

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Padded Food may be used to teach cause and effect and basic vocabulary. The student is presented with an assortment of familiar foods and kitchen objects laid out on an overlay. When an object is touched, it appears on the monitor and the speech synthesizer pronounces the name of the food or object.

A speech synthesizer, color monitor, and PowerPad are required; in addition, for the Macintosh and Intellikeys an Apple IIe emulation card is needed.

Product Name: Padded Vehicles

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Padded Vehicles is a software program for a game that can be played by one to six players. Using a PowerPad overlay, the players identify ten vehicles: airplane, helicopter, motorcycle, car, truck, ambulance, garbage truck, fire engine, school bus, and police car. In level 1, the player selects any vehicle. In level 2, the player selects a vehicle that corresponds to a name prompt.

A speech synthesizer, PowerPad, and color monitor are required; for the Macintosh and Intellikeys an Apple IIe emulation card is also needed.

Product Name: Paper Dolls I and II

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Paper Dolls are a set of two software programs that let users select items of clothing to dress a figure (either male or female) using the PowerPad or IntelliKeys. Paper Dolls-Dress Me First features five articles of clothing. Paper Dolls-Dress Me Too features twelve articles of clothing, permitting the figure to be dressed for a school day, sunny day, rainy day, or silly day. A Spanish version of Dress Me Too is also available.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh and Intellikeys, an Apple IIe emulation card is also needed.

Product Name: PC Typer

Vendor: American Printing House for the Blind (APH)

Computer: IBM PC Family

Manual Form: Audiotape Manual, Large Print Manual

Cost: $49.95

PC Typer is a software program designed to help visually impaired students increase their keyboarding speed and accuracy. The student program has four main components: keyboard drills, a game for keyboarding practice, open typing, and a learn the keyboard feature that announces keys pressed to teach the key locations. An included teacher program allows the teacher to customize program features, create or edit lessons, and work on student records. A teacher's manual is included which explains how to use PC Typer, the teacher program, and the editing feature.

Price is for the complete version of PC Typer: one 3-1/2" and one 5-1/4" each of the student and teacher disks, a large print teacher's manual, and a teacher's manual on cassette. Lab packs of the student program are also available. Most commercially available speech synthesizers and screen access programs work with PC Typer.

Product Name: Personal Development Software Series

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $375.00

The Personal Development Software Series consists of five menu-driven, easy to use programs covering personal development issues. These five issues are self esteem, getting along with others, values, making friends, and stress. Each software program features challenging exercises and concise concepts. Various tutorials help users accept differences in themselves and others.

Apple II version requires 64K and one 5-1/4" disk drive. The IBM version requires 256K and one 5-1/4" or 3-1/2" disk drive. Price is for the complete stand-alone series. Each program is available individually for $84.00. Network packages are available.

Product Name: Pick-A-Meal

Vendor: UCLA Microcomputer Project

Computer: Apple II Family, Apple Macintosh Family

Cost: $35.00

Pick-A-Meal is a game designed to promote good nutrition for low functioning individuals or children. Level I teaches the four basic food groups and Level II helps the user learn how to select balanced meals for each meal of the day. The program can be used with a single switch or the keyboard. Scan speed is adjustable.

The Apple II version requires a color monitor, 5.25" disk drive, and Echo Speech Synthesizer. The Macintosh version requires a 2E card, a color monitor, 5.25" disk drive, and Echo LC.

Product Name: Pictalk

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00

Pictalk is a software program intended to serve as a training aid before an alternative communication device is prescribed. Fifty-four pictures in six categories (places, things, people, action, foods, and emotions) are included. Selection is made by scanning rows and then columns within a selected row.

An Echo speech synthesizer, single switch, and color monitor are required.

Product Name: Picture Cue Dictionary

Vendor: Attainment Company

Computer: Apple Macintosh Family

Cost: $279.00

The Picture Cue Dictionary is a software program that offers access to 350 talking Picture Prompt Cards. The four programs included are Shopping, Select-A-Meal, Looking Good, and Keeping House. The display mode presents the pictures one-by-one in a sequence. Speed can be adjusted and the user can go forward, backward, and pause. A matching mode is also available. Users can hear the corresponding speech by clicking on or touching the picture displayed. Pictures can be printed for communication boards or other uses.

Each of the four programs are available seperately for $59.00 - $69.00. 14 MB free disk space is required. Program is TouchWindow compatible. Site license is available for $895.00.

Product Name: Picture Identification Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Picture Identification Plus for Windows is software that presents a real-life picture along with the name of the picture and two foils. The user must select the word that best describes the picture. The foils are words that are semantically related to the picture name. The program includes 50 pictures and progress is traced and available for retrieval in report form. Picture Identification Plus requires Microsoft Windows.

Product Name: Picture Naming Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Picture Naming Plus for Windows presents a real-life picture and asks the user to type the name of the picture. The program recognizes any one of a number of multiple names of pictures. There is an option to accept approximate spellings of the words when the clinician suspects that the user may use letter reversals or the user's spelling abilities are poor. The program includes 50 pictures and progress is tracked and available for retrieval. Picture Naming Plus works with Microsoft Windows.

Product Name: Picture Scanner

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $75.00 - $89.00

Picture Scanner is a single- or double-switch version of Point to Pictures (see separate entry). Picture Scanner starts at the cause/effect level (the Communication mode) with items to motivate and help the learner to use pictures as communication symbols, and progresses to matching and identifying pictures (Training mode) within a context such as a mall or home. In the Communication mode, pictures are presented one at a time until the learner activates a switch to select a picture. In the Training mode, a target picture is presented and the learner is requested to "find" it within the scanning sequence. Like Point to Pictures, the user has a choice of which pictures go in what order. Pictures can be selected from Picture/Theme disks (additional, $75.00).

The IBM version requires Microsoft Windows.

Product Name: Picture/Theme Disks

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $75.00 - $89.00

Picture/Theme Disks are collections of color pictures with animation and digitized speech. The pictures are for use in Point to Pictures software and Picture Scanner software (see separate entries). The pictures can be inserted in the programs for training language skills and picture selection for augmentative communication. Each Picture/Theme Disk contains pictures relating to a central theme such as mall, playground, or home. There are also disks for Letters, Shapes, Numbers, and Colors.

The IBM version requires Microsoft Windows.

Product Name: Pictures Programs: I, II and III

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95 each

The three Pictures Programs are: I-Function Pictures, II-Association Pictures, and III-Rhyming Pictures. Each program has two levels of operation. The first level teaches the name of pictures displayed on the screen. The second level teaches the function, an association or a rhyme of the pictures displayed. In each program six color pictures are displayed at a time.

Responses are made by pressing the space bar and the Return key, or by a single switch plugged into the game port. The programs may be purchased individually or as a set.

Product Name: Point to Pictures

Vendor: R.J. Cooper & Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $75.00 - $89.00

Point to Pictures is a touchpad-oriented program designed to help people with communication disorders learn about and use language. The program starts at the cause/effect level (Communication mode) with items to motivate and help a learner to use pictures as communication symbols, and progresses to matching and identifying pictures (Training mode), within a context such as a mall or home. Point to Pictures can also operate battery-operated toys and electrical appliances with an optional Toy Interface ($75). Using optional Picture/Theme disks, the user can select where pictures go on the touchpad.

The Apple II version requires 128K of memory, an appropriate touchpad (TouchWindow, PowerPad, Unicorn Keyboard, IntelliKeys, Concept Keyboard), and an Echo II speech synthesizer. The IBM version requires Microsoft Windows.

Product Name: Positive Parenting

Vendor: MCE

Computer: Apple II Family

Cost: $69.96 - $99.95

Positive Parenting is a computer program designed to introduce users to the problems and challenges of parenting. The program uses interactive problems to discuss common parenting situations. As the user progresses through the activities, responses are tailored to the user's own set of circumstances. The software is written for a 3rd-4th grade reading level and an 9th grade-adult interest level.

One copy may be purchased for $69.95 and a five pack for $99.95.

Product Name: PowerPad Preschool Pack I & II

Vendor: Creative Communicating

Computer: Apple IIGS, Apple IIe

Cost: $25.00 - $100.00

PowerPad Preschool Pack I includes an electronic version of a pop-up book called Hide & Seek with Fluffy, an animated storybook called Five Little Fish, a search game called Mystery Box, and an object location game called Bus to School. Pack II includes an animated storybook with cause-effect and sequenced pictures called Five Little Frogs, an electronic version of a pop-up book called Magic Hats, a holiday version of Mystery Box, and a program that duplicates the traditional Pin the Tail on the Donkey game.

Each pack sells for $100.00 and the individual programs can be purchased for $25.00 each. The programs require a Dunamis PowerPad (see entry).

Product Name: PowerTalker

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS

Cost: $45.00

PowerTalker is a software program designed to act as a training communication board with the PowerPad (see entry). The program is suited for children of eighteen months to three years of age. PowerTalker must be set up by choosing to work in particualr quadrants on the PowerPad, selecting from the set of sixteen phrases on the library disk, and picking appropriate graphics from those on the graphics library disk.

PowerTalker is compatible with Apple IIGS computers. It requires the PowerPad and a speech synthesizer (extra).

Product Name: Prefix

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $109.00

Prefix is a software program designed for individuals with head injuries, stroke, or learning disabilities. The program's objective is to internalize a thorough knowledge of how to manipulate quantities up to 20. Eight exercises are included with graphics of animals, fruits, dominoes, cards, and other common objects. The level of difficulty can be set by defining the range of numbers involved and the span of the operators. Detailed statistical information for each exercise can be saved and printed.

A mouse is required.

Product Name: Preposition Fill-Ins

Vendor: Parrot Software

Computer: Apple II Family

Cost: $104.95

Preposition Fill-Ins is a program designed to provide cognitive training in use of prepositions. A sentence with the preposition missing is presented, followed by a list of three prepositions. The user selects the appropriate preposition using the space bar and the return key. The program provides visual and auditory reinforcement. Preposition Fill-Ins has features that keep track of user progress and that allow clinicians to author their own programs.

Product Name: Press to Play

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $45.00

Press to Play is a basic switch software series designed for broad age-group appeal. Games can be played in four modes: cause & effect, simple scan, complex scan, and point (the point mode uses the TouchWindow). Two titles are available: "Animals" features animals in humorous situations and "Speedy" features a boy wheelchair user engaging in daily activities.

Product Name: Primer 83

Vendor: Dynacomp, Inc.

Computer: Apple II Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $99.95

Primer 83 is a user oriented graphics program for individuals with dyslexia and related disorders. Primer 83 allows diagnosis of specific difficulties in letter recognition; alteration of character fonts and presentation time to improve discrimination; instantaneous recognition training for common words and sentence structures; and synthesized music with cadence-synchronized visual presentation of lyrics, including a song editor. Primer 83 enhances user motivation through rapid feedback and adaptive drills.

Product Name: Problem Solving I

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Problem Solving I is a package of software programs that are designed to challenge higher level attention and executive skills. The Number Manipulations series contains a visual, paced, serial addition task, a number puzzle, and a multiple simultaneous addition task. The Maze Puzzle generates random mazes on each run. The Deduction program contains graphics routines designed to promote understanding of task and its utility. The Checker Exchange requires the user to exchange the positions of the two sets of checkers. The Cryptograms program contains 12 full sentences, the content of which is a wise reflection, observation or human nature or a philosophical statement. Also included is a more advanced program called the Knight's Challenge.

Microsoft Windows is required.

Product Name: R.A.P.S. Software Series I PowerPad

Vendor: Creative Communicating

Computer: Apple IIGS, Apple IIe

Cost: $65.00

The R.A.P.S. Software Series includes the stories Looking Great, Showtime, and Too Bad for Dad on disks with corresponding PowerPad overlays. The sofware features repeated lines, colored graphics, animation, text, speech, story retelling, and games. Both stories are from the R.A.P.S. book.

A Dunamis PowerPad (see entry) is required.

Product Name: Rabbit Scanner

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $3.95

The Rabbit Scanner is a scanning training program that uses a graphic of a rabbit hopping across the screen in a single horizontal line. A carrot is placed in one of five positions on the screen. When the rabbit reaches the carrot, the child triggers a game paddle, adapted switch (adapter required), or the space bar. Color matching and shape matching programs are also included. The program can be adjusted to challenge the user appropriately.

Product Name: Race the Clock

Vendor: Mind Play

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PC jr

Manual Form: Printed Manual

Cost: $49.99 - $69.99

Race the Clock is a learning game designed after the popular "Concentration" game. The user tries to match pictures with pictures, pictures with words, or words with words. Each box in the array presented on the screen can display a verb or an animated figure acting out the verb's action. Selections may be made using the keyboard, a mouse, or a joystick (not included). Race the Clock permits authoring and is equipped with a "challenge upgrade option," which allows various skill levels involved to be adjusted, independent of each other.

The program is IBM ($59.99) and Apple II ($49.99) compatible; and a CD-ROM version this program is available for $69.95. A Macintosh version is also available for $69.99.

Product Name: Rate Drill in Articulation, Language and Fluency

Vendor: UNITED Educational Services, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $45.00 - $115.00

Rate Drill in Articulation, Language, and Fluency (RALF) is a training program for practice in rate of speech. Each part (Articulation, Language, or Fluency) allows the user to perform drills on either sentence or paragraph units in two different modes: determining actual word-per-minute (WPM) rates in practice, or pre-selecting WPM rates for each stimulus. A feature of the program called Inflection allows the user to practice the same sentence or paragraph units, with selected words capitalized for greater emphasis or stress.

In Part I (Articulation), the following phonemes are represented with five different sentence or paragraph combinations each: /l/, /r/, /s/, /z/, /th/ (voiced and unvoiced), /sh/, and /ch/. In Part II (Language), the concepts represented are: plurals, prepositions, tensing, possession, and negation. In Part III, five different paragraphs practice various rate drills. A disk is available separately for each part or as a kit.

Product Name: Reactions (R73)

Vendor: Don Johnston Incorporated

Computer: Apple IIGS

Cost: $40.00

Reactions is an early skills educational software program designed to teach cause-effect principles. There are six games which students play at a cause-effect level or actively make selections among four choices. Games include: Piano Tunes, Puzzle Game, and Shape Game. Switch input and selection parameters may be customized for each user.

Product Name: Reading a Ruler - English & Metric

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $89.95 each

Reading a Ruler - English & Metric are two programs to give extra help for a student or employee who is having trouble learning how to read a ruler. The English version covers the basics of inches, feet, yards, half, quarters, eighths, and sixteenths. The metric version consists of an introduction to the system and different types of metric instruments used with rulers. Both programs include three lessons and three quizzes.

Product Name: Reading Comprehension for Adolescents

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95

Reading Comprehension for Adolescents is designed to increase literal and inferential comprehension skills. Ten short stories on topics of interest to adolescent students are used. The literal lesson requires comprehension of information provided in the story. The inferential lesson requires the student to make inferences about the information provided in the story. The program also teaches strategies for reading comprehension. The story may also be hidden after it is read so that the student must rely on comprehension and memory to answer questions. Progress is recorded on disk, and reports may be printed at any time.

Product Name: Reasoning Skills on the Job

Vendor: Conover Company

Computer: Apple II Family

Cost: $1,995.00

Reasoning Skills on the Job is a vocational exploration and assessment program. The program consists of skill identification and application, assessment, and remediation components. A variety of activities identify the need for reasoning skills in a selected occupational area and compare that requirement with an individual's ability to think critically and solve problems.

This program is available in printed and computer disk form. The computer form consists of vocational information disks, student guides, and a teacher's guide. Vocational disks can be purchased separately for $99.95 per cluster. Apple and IBM versions are available.

Product Name: Rhyming Pictures

Vendor: Parrot Software

Computer: Apple II Family, IBM PC Family

Cost: $99.50

Rhyming Pictures is a two-level program for cognitive training based on the use of pictures. The first level is a picture identification task requiring users to correctly match a picture with a prompt (e.g., "Find the purse.") The second level is a rhyming task. At this level, users must correctly determine which picture rhymes with a word given as a prompt (e.g., "What rhymes with shoot?"). Responses are made by pressing the space bar and return key.

Product Name: Rockets to the Moon

Vendor: UCLA Microcomputer Project

Computer: Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $35.00

Rockets to the Moon is an educational game program for one to four players. Rockets to the Moon uses color graphics and synthesized speech to promote concepts such as sequencing, turn-taking, and color identification. Players use one shared single switch to operate the game. The game must be set up and the students names entered by the instructor: from there the students can play by themselves. The program tells the students verbally how and when to play.

Rockets to the Moon requires a color monitor, a speech synthesizer, and an adaptor for plugging switches into the computer's game port; for the Macintosh, an Apple IIe emulation card is also needed. The manufacturer recommends it for the three to five age range.

Product Name: Run Rabbit Run

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $39.95

Run Rabbit Run is a software program that provides training in horizontal and vertical scanning concepts. The user guides a small rabbit down a path from the farmer's garden to his home. Along the way, the rabbit encounters a number of obstacles. The user presses a key to have the rabbit jump over the obstacles at the appropriate time. The program can be adjusted to challenge the user appropriately.

Product Name: Safety Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $209.00

Safety Signs is a four-disk microcomputer program that teaches 40 signs which are essential for community living. The disks cover common warning signs (e.g., "Beware of Dog," "Stop," "No Smoking," "Police"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, and an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program includes 4 disks, an administration manual, and 6 workbooks. An Apple II system with at least 64K of memory, one disk drive, and an appropriate speech synthesizer are required. A color monitor, joystick, and printer may also be used with the program. The IBM version requires 256K of memory.

Product Name: Scan & Match 1, 2, 3, and 4

Vendor: Simtech Publications

Computer: Apple Macintosh Family

Cost: $20.00 each

Scan & Match 1, 2, 3, and 4 are switch accessible software programs that give users practice in sequential linear scanning with picture matching activities. All four programs provide performance data which can be printed and saved to disk.

Scan & Match 1 features color graphics of puppies, kittens, flowers, and candy. Scan & Match 2 features color graphics of insects, cars, trucks, and dinosaurs. Scan & Match 3 features color graphics of babies, toys, and critters. Scan & Match 4 features color graphics of breakfast, lunch, dinner, and snack foods.

Product Name: Scan It - Switch It

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS, Apple Macintosh Family

Cost: $45.00

Scan It - Switch It is a program designed to teach horizontal and vertical scanning using a single switch or TouchWindow. Instruction progresses through five levels of difficulty from capturing a single object with a moving box to using scanning to select matching items. The number of items, size and orientation of boxes, number of boxes, and number of errors before a cue is given can be selected by the teacher. Players names can be entered and record keeping is available.

The Apple IIgs version requires a color monitor, 3.5" disk drive, and Echo Speech Synthesizer. The Macintosh version requires a color monitor, 3.5" disk drive, and Echo LC.

Product Name: Scanning Picasso

Vendor: Simtech Publications

Computer: Apple Macintosh Family

Cost: $20.00

Scanning Picasso introduces sequential linear scanning in four activities involving drawing and coloring. The program Features a scanning activity menu and widely variable scanning speed.

Product Name: Seasons

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS

Cost: $45.00

Seasons is an educational software program designed to teach the user about the attributes of the four seasons. Users select a season from the menu and objects from each season scan the bottom of the screen. Items are selected by using either the mouse, TouchWindow, switch, or space bar. When a season is completed there is an option to type a brief statement about the scene.

Seasons is compatible with Apple IIGS computers only. A speech synthesizer is recommended.

Product Name: Seek & Find

Vendor: UCLA Microcomputer Project

Computer: Apple IIGS, Apple Macintosh Family

Cost: $55.00

Seek & Find is a software program on two disks designed to promote matching, figure ground and auditory discrimination utilizing four scenes: park, campground, the city, and a play room. Three or four levels are included in each version. Apple IIGS Level I requires the user to find the item to match in a scene. Level II requires the user to find the object without a visual prompt. Level III requires the user to identify the object by the sound it makes. Macintosh Level I requires the user to choose any object, Level II match the item, Level III find the item by name, and Level IV find the item by sound.

The Apple IIGS version requires a color monitor and a 3.5" disk drive. The Macintosh version requires a color monitor, a 3.5" disk drive, and a hard disk drive.

Product Name: Semantic Development Using Code Breaking Strategies

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95

Semantic Development Using Code Breaking Strategies is a computer program that requires users to determine an unknown sentence using an alphanumeric code. Blanks indicating the length of words in the code appear at the top of the screen. In the center of the screen, the coding strategy appears, indicating the code value for each letter. At the bottom of the screen is a prompt indicating what letter should be entered (e.g., "Enter the letter for code 7"). One code and ten lessons are provided. Clinicians may modify or add codes and lessons to suit specific client needs. Three levels of difficulty are offered: as the level increases, codes are withheld for some letters, so that the client must guess some letters on the basis of sentence context rather than the coding strategy. User progress is automatically tracked, and workbook-like assignments may be printed out.

Memory requirements are 128K for Apple computers. Specify computer and required disk size (3.5" or 5.25") when ordering.

Product Name: Sentence Completion Plus for Windows

Vendor: Parrot Software

Cost: $134.95

Sentence Completion Plus for Windows is a software program that uses a cloz procedure to elicit words. An open phrase or sentence is listed at the top of the screen and the user must select the word that finishes the phrase or sentence from three choices listed below. The vocabulary and categories can be adapted. The program works with Microsoft Windows.

Product Name: Sentence Key & Picture Sequence Key

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Plus

Cost: $89.00

Sentence Key & Picture Sentence Key are programs which encourage reading readiness skills. In Picture Sentence Key, the student selects a person, action, and object from columns of pictures to form a sentence. When the pictures are chosen, the appropriate word is "spoken" by the computer; the completed sentence is also spoken and the symbols for each word are animated. Sentence Key is a similar program except the actual words are selected instead of pictures.

These programs require a Macintosh Plus computer or higher, a hard disk, and HyperCard.

Product Name: Sentence Master

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $475.00 each level

Sentence Master: A Program for Success in Reading is a software program designed to teach reading skills to students who have difficulty with phonics or oral language, or who have impulsive learning styles. The program uses speech output, graphics, and animation. Over-learning of the non-content words (such as "the," "is," and "here") is emphasized; however, equal attention is given to content words. Scan speed and response time are adjustable. A lesson summary of each activity may be read on-screen or printed.

Four levels of Sentence Master are available. Each level consists of eight Story Diskettes, each with its own Workbook Diskette and reproducible Story Booklet with written exercises. Each Workbook Diskette includes the activities Word Recognition, Sequential Recognition, Spelling, and Sentence Completion. Versions available for Apple IIe, Microsoft Windows on IBM compatible PCs, and Macintosh computers. Interface options include TouchWindow (see entry), single switch, or keyboard. A color monitor and printer are recommended.

Product Name: Shell Game & Mouse Game

Vendor: SoftTouch/kidTECH

Computer: Apple Macintosh Family

Cost: $45.00 - $75.00

Shell Game and Mouse Game are designed to increase cognitive skills in a game format. The games are designed to improve visual tracking, memory, hand placement, scanning, and cause and effect. Each program has three levels of difficulty. Input to the program is via single switch, TouchWindow, or expanded keyboard.

Product Name: Sight Words

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00

Sight Words is a software program designed for early training in sight recognition of vocabulary. Six categories of words are included. The scanning speed may be adjusted, and the words may be selected either by activating a switch or by pressing the space bar.

An Echo speech synthesizer and color monitor are required. A switch is optional.

Product Name: Silly Sandwich

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Silly Sandwich is a computer program that lets users build a sandwich, selecting from pictures on a PowerPad overlay. At Level 1, there are six items to select from; at Level 2, there are 12 items.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh and Intellikeys, an Apple IIe emulation card is also needed.

Product Name: Simple Sentence Structure

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe, Apple Macintosh Family, IBM PC Family

Cost: $150.00 - $175.00

Simple Sentence Structure is a language intervention program based on linguist Noam Chomsky's generative grammar theory. This program assists children with language disorders to correctly set universal word order parameters to their English Subject-Verb-Object word order setting by systematically presenting graphic sets of sentence pairs. The learner is then asked to choose a picture that illustrates a particular sentence. Speech, color graphics, and animation maintain the learner's attention. Four sentence sets (contrasting verbs, contrasting objects, contrasting subjects, and subject/object reversal) and six levels of training are available. Varying amounts of instruction, cuing, and feedback accommodate a wide range of learners.

The Apple IIe version sells for $150.00 and the Apple IIGS, IBM, and Macintosh versions each sell for $175.00.

Product Name: SimpleCom I: Yes/No Communication

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $59.95

SimpleCom I: Yes/No Communication is a communication output program for expressing simple daily living needs and training early communication skills. The program utilizes training sequences that help the user in yes/no differentiation, and are designed to facilitate cause-effect association. The teacher may modify prompts, reinforcements, and speech output of the synthesizer.

The program operates with a PowerPad and an Echo II speech synthesizer, both extra; contact manufacturer for details.

Product Name: SimpleCom II: Needs/Wants Communication

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $59.95

SimpleCom II: Needs/Wants Communication is a voice output program for communication of basic needs and wants. The program contains a list of ten basic needs including go to bathroom, drink, eat, go outside, help, hurt, music, play, sleep, and watch TV. These needs are displayed with large graphic symbols, and user activates voice output by touching the PowerPad. Additional needs or wants can be added by drawing other symbols with the MicroIllustrator program (extra).

A PowerPad and Echo speech synthesizer are required for operation (extra). Manufacturer can also custom design the needs menu at additional cost; contact manufacturer for details.

No Photograph Available

Product Name: Single Switch Software

Vendor: Various (Generic Product)

Computer: All (Hardware Independent)

Cost: Varies

Many pieces of software designed to be accessible for people with disabilities are listed in the software sections of this resource book. Building accessibility features into software products, however, is becoming more common for software developers targeting early education. The single switch and other accessibility features are more often included as a part of software oriented to the general education market. While this book catalogs some of these specific applications, many of these features may be found in more and more software as a standard feature.

Product Name: Single Switch/MatchBox Pack I

Vendor: Creative Communicating

Computer: Apple IIGS

Cost: $60.00

The Single Switch/MatchBox Pack includes a version of the pop-up book called Hide & Seek with Fluffy and a musical storybook called Five Frogs on a Log. Both can be read via a switch or mouse click and include picture overlays for the MatchBox keyboard cover.

Product Name: Son of Seek and Find

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $55.00

Son of Seek and Find is a game designed to promote matching, figure ground discrimination, and auditory discrimination in scenes of a farm, classroom, or house. In Level I, the user finds the item to match in the scene. In Level II, the user finds the object asked for within the scene without visual prompt. In Level III, the user finds the object after hearing the sound it makes. The program is designed for use with the PowerPad, Intellikeys, or TouchWindow.

A color monitor, hard drive, and 3.5" disk drive are required.

Product Name: Sorting by Category Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Sorting by Category Plus for Windows is software that requires the user to sort words into appropriately related categories. The screen is divided into either two or three columns each with a corresponding category button. A word is then presented that belongs to one of the categories listed. The user presses the appropriate button to place each word into the correct category column. The program works with Microsoft Windows.

Product Name: Sound Scope

Vendor: GW Instruments

Computer: Apple Macintosh Family

Manual Form: Printed Manual

Cost: $490.00 - $4,990.00

Sound Scope is a hardware and software package for the Apple Macintosh that allows speech patterns to be displayed graphically. An optional hardware unit accepts the incoming audio signal and translates it into a digital signal. The software translates this signal's various characteristics into graphic representations on the computer screen. Viewing options include: wide and narrow band spectrograms (showing progression of frequency spectra with time), spectra displayed in fast Fourier transform (FFT) plots, fundamental frequency (variation of vibration of the larynx in an utterance), and multiple window viewing of several displays simultaneously. The user can edit, save, delete, play, append, amplify, zero, offset and normalize segments of an utterance. Utterances can be saved to disk and graphic displays printed out.

Product Name: Special Education Public Domain Software

Vendor: Technology for Language and Learning, Inc.

Computer: Apple II Family

Cost: $5.00 per volume

Special Education Public Domain Software is a collection of computer programs to be used in the instruction of people who have language, learning, or physical disabilities. Topics covered by these programs include: reading, math, spelling, augmentative training, Morse code writing skills, cognitive rehabilitation, and language development. Some of the software may be used with the Power Pad, a single switch, or the TouchWindow. An Echo speech synthesizer may be used for speech output with some programs.

A catalog of program titles may be purchased for $10.00. Each title is $5.00.

Product Name: SpeechViewer II

Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $1,795.00

SpeechViewer II is a software and hardware package for use in speech therapy. The software has fifteen modules which are grouped according to clinical objectives. In the group of Awareness modules, the user controls graphics through loudness, pitch, and voicing onset. The Skill Building Modules have video game-style animation which is used to achieve preset goals of pitch, voicing, vowel accuracy, vowel contrasting, consonants, sequences of phonemes, syllables and words. Patterning modules use waveform, spectra, and spectrogram displays to provide clients with visual representations of running speech. SpeechViewer II software comes with instructions, "Getting Started" vidoetape, handheld microphone, speech adapter, speaker, power adapter and cables.

SpeechViewer II is IBM compatible. It requires at least 640K of memory and a 20MB hard disk. A color monitor is recommended. An upgrade for customers with SpeechViewer is available; contact the manufacturer. Information and ordering for this product are handled at (800) 228-0752 in the U.S. and (800) 465-7999 in Canada.

Product Name: Steps for Career Choice

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family

Cost: $195.00

Steps for Career Choice is a computerized self-exploration and career decision-making system intended for the older, more experienced user with a reading level of sixth grade and up. Program components include interest assessment based on the Guide for Occupational Exploration (GOE) system, self rating of the user's area of greatest competence, identification of career choices based on education level, prioritizing work-related values, a decision model, completing a career plan, and access to a data bank of 300 occupations.

System requirements for the Apple II version are 64K, two 5-1/4" disk drives, and a printer. Requirements for the IBM version are 256K, two 5-1/4" or 3-1/2" disk drives, and a printer. Price includes an adminstration manual.

Product Name: Storytime Series

Vendor: Creative Communicating

Computer: Apple IIGS, Apple IIe

Cost: $125.00 - $265.00

The Storytime Series includes the Just for Fun! Series, the Holiday Fun! Series, and part I and II of the original Storytime Series. The Storytime Just for Fun! Series is a set of five software stories featuring simple colorful graphics, animation, enlarged text, and highlighted text to speech. The Storytime Holiday Fun! Series is a set of six stories featuring simple colorful graphics, animation, and text to speech. The Storytime I Series has the same features and includes stories called Forgetful's Secret, Bobby Bobby, Dirty Duds, Forgetful Goes to School, and Forgetful Mokes Cereal. The Storytime II Series includes stories called Time for Bed, Cooking Dinner, On the Farm, Let's Make Juice, and Going to the Toy Shop.

The series are available for use with the PowerPad (see entry), single switch, or mouse. The Holiday Fun! Series sells for $150.00, Just for Fun! Series sells for $125.00, both Storytime I and II sell for $125.00 each and together for $265.00.

Product Name: Storytime Series for Macintosh

Vendor: Creative Communicating

Computer: Apple Macintosh Family

Cost: $55.00 - $125.00

The Storytime Series for Macintosh includes the original Storytime Tales, the Storytime Construction Series, and the Just for Fun! Series. Storytime Tales are animated picture-book software programs designed to encourage early learning skills. Story lines include baking a cake, washing clothing, and learning body parts. The Construction Series gives support for beginning risk-taking and creativity through scanning and/or direct selection. The Just for Fun! Series includes five stories featuring simple graphics, animation, digitized speech, and enlarged text.

Storytime Tales ($95.00) and the Construction Series ($55.00) are designed for use with the keyboard or single switch. The Just for Fun! Series ($125.00) is available for use with the Intellikeys or single switch.

Product Name: Studio4
Vendor: DEKRO, Inc.
Computer: IBM PC Family
Cost: $109.00

Studio4 is a software program designed for the low functioning patient or the younger child. The program offers training in basic problem solving techniques, simple mazes, copying patterns, matching complex shapes, sorting items based on visual characteristics, and altering quantities by manipulating individual items. Several levels of difficulty are available.

Product Name: Subtle Messages
Vendor: Subtle Impact Software, Inc.
Computer: IBM PC Family
Cost: $225.00

Subtle Messages is a series of lessons on CD-ROM that teach the use of non-manual behaviors in American Sign Language. Each lesson of 20-30 minutes is designed for all ASL students and focuses on a specific non-manual behavior. The four lessons currently available are: Question Forms, Assertion & Negation, Topicalization, and Conditionals. All lessons are designed to be easy to use, are interactive and video intensive, present many models of deaf signers, provide immediate feedback, and keep track of student progress.

Minimum system requirements include: 486-25 Mhz computer, 4MB RAM, Microsoft Windows, double speed CD-ROM drive, and SVGA monitor. Price is for a three-CD set of all four lessons. Site/Network licenses are also available. Other lessons are being developed, contact manufacturer for details.

Product Name: Survival Words

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $179.00

Survival Words is a set of programs designed to teach words for community living, including "exit," "ped xing," "out of order," and "phone." Graphics and verbal reinforcement are incorporated in the learning exercises. Instruction, review, and evaluation functions are included.

The program includes 3 disks, an administration manual, and 6 workbooks. Input may be made via the keyboard or with a joystick. A speech synthesizer is required for verbal reinforcement during use of Survival Words. Apple II versions require 64K of memory and IBM versions need 256K of memory.

Product Name: Swim, Swam, Swum: Mastering Irregular Verbs

Vendor: Laureate Learning Systems, Inc.

Computer: Apple Macintosh Family

Cost: $115.00

Swim, Swam, Swum: Mastering Irregular Verbs is a software program designed to train irregular verbs, reinforce reading skills, and provide practice with standard multiple choice format. The level of difficulty and individual verbs to be trained is specified by the teacher. Features include voice, animation, and automatic record-keeping. The program can be used with keyboard, touch screen, single switch, or mouse.

System requirements include a Macintosh LC or higher, system 7 software, hard drive, and 4 MB of RAM.

Product Name: Switch Arcade
Vendor: Simtech Publications
Computer: Apple Macintosh Family
Cost: $20.00

Switch Arcade is a collection of single-switch accessible carnival games. A shooting gallery, baseball throw, and dart toss are included. Features realistic color graphics, animation, and sounds.

Product Name: Switch Arcade
Vendor: UCLA Microcomputer Project
Computer: Apple IIGS
Cost: $35.00

Switch Arcade is a program for two players to play games with each other using single switch input. Games include: tug-of-war, racing cars, fishing, racing wheelchairs, and others. The games are designed for users three years of age and older.

Product Name: Switch Art

Vendor: Judy Lynn Software

Computer: IBM PC Family

Cost: $29.00

Switch Art is a coloring program designed for users with limited motor skills and a cognitive age level as young as one year. Activation of the single switch or space bar is required to color the picture. No prior understanding of the coloring concept is needed. Switch Art is designed to reinforce color selection, hand eye coordination, vertical and horizontal tracking, and cause and effect.

An EGA or VGA monitor is required.

Product Name: Switch It - Change It

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe

Cost: $35.00

Switch It - Change It is a switch-activated cause and effect program for training in the use of a single switch. Colorful, animated common objects are presented on the screen. Three-dimensional objects (extra) are shown to the user, who then selects the matching on-screen object using the switch.

An Echo speech synthesizer, color monitor, and single switch are required.

Product Name: Switch It - See It

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00

Switch It - See It is a switch activated computer program for training in switch use and visual tracking. Colorful animated graphics and sound effects are presented. The program encourages visual tracking from right to left, up and down, and on the diagonals.

A speech synthesizer, single switch, and color monitor are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Switch Puzzles

Vendor: Simtech Publications

Computer: Apple Macintosh Family

Cost: $20.00

Switch Puzzles is a collection of switch accessible software puzzles. Each switch press adds a piece to the puzzle. Requires 5, 10, or 15 switch activations to complete.

Product Name: SwitchEnsemble

Vendor: Switch In Time

Computer: Apple IIGS

Cost: $175.00

SwitchEnsemble is a software program designed to enable users to "play" different musical instruments using switch input. The program uses the sound chip built into the Apple IIGS to create the sounds of instruments including flute, electric piano, bass, guitar, violin, and drums. There are different components of the program which allow the user to tap out rhythms, improvise, and play along with songs.

The standard keyboard can be used with this program but it is primarily designed to facilitate switch use. This program can be used with multiple or single switches with one person or a group. A switch interface is required (extra).

Product Name: Talking Hands

Vendor: EBSCO Curriculum Materials

Computer: Apple IIc, Apple IIe

Manual Form: Printed Manual

Cost: $59.95 - $185.95

Talking Hands is a fingerspelling drill and practice program for training and communication with the manual alphabet. The program will display handsigns for letters from A to Z as typed. The program can also be used to display hand signs serially or at random for drill. Up to 36 messages of ten lines and 80 characters in length can be stored on disk and played back for practice, and speed of sign presentation (from 1 - 40 signs per minute) can be user-specified.

Talking Hands costs $59.95 for a single copy and $189.95 for a five pack.

Product Name: Talking Literacy Kit for the Apple IIe (TALK IIe)

Vendor: American Printing House for the Blind (APH)

Computer: Apple IIe

Manual Form: Audiotape Manual, Printed Manual

Cost: $40.75 - $85.80

The Talking Literacy Kit (TALK) for the Apple IIe is a set of materials designed to provide visually impaired children and adults with their first exposure to microcomputers. Tactile, auditory and visual experiences are used. The Teacher Kit includes 11 computer parts for tactile inspection, a keyboard model with brailled keys, a teacher's manual (in print and on cassette), three braille reference guides, and two pieces of speech-output software. The Student Kit includes the following programs: APH Presents the Talking Apple (an introduction to Apple computers and TEXTALKER commands), and Talking Writer (a program that contains a typing tutor, three games, and an introduction to word processing).

TALK requires an appropriate Echo speech synthesizer. The student's version of TALK is $40.75; the teacher's is $85.80.

Product Name: Talking Nouns, Talking Nouns II, and Talking Verbs

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Manual Form: Printed Manual

Cost: $115.00 - $130.00 each

The Talking Series is a set of three programs that continues training on the words introduced in First Words, First Words II, and First Verbs (see entries). Each program includes a plastic template that slides over the TouchWindow. A PowerPad version is also available for the Apple IIe. Activities include: Interactive Communication, Picture Identification, Picture Matching, and Nouns by Category.

The Apple II version ($115.00) requires 128K memory, a monitor, a speech synthesizer, a TouchWindow or PowerPad (see entries), and a 5.25" disk drive. The Apple IIGS version ($130.00) requires 1 MB memory, ROM version 01 or later, RGB monitor, a TouchWindow, and a 3.5" disk drive. The IBM version ($130.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, a TouchWindow, and a 3.5" disk drive. A color monitor is recommended for all versions. The Macintosh version requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: Talking Touch Window

Vendor: Edmark Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $79.95

Talking Touch Window (formerly Talking With Your Touch Window) is a simple program for speech output with the Touch Window (see entry). The user can program any part of the Touch Window to represent a particular word or phrase. When that part is touched a speech synthesizer speaks the programmed word or phrase. Overlays can be created with words, pictures or symbols for the areas of the Touch Window corresponding to particular vocabulary.

A Touch Window and an Echo speech synthesizer (see entries) are required to use Talking Touch Window.

Product Name: Talking Typer

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Cost: $37.95 - $41.95

Talking Typer is designed to reinforce keyboarding skills. The Teacher's Edition includes one Teacher's Disk and three identical Student's Disks. The Teacher's Disk contains a special version of Talking Typer that allows the teacher to adapt, edit, and control the program and the lessons on the Student's Disks. Each Student's Disk contains 16 prepared lessons, with options for drills, a typing game, or open typing.

The Student's Disks are also available separately for $27.10 - $29.65 each. Talking Typer requires at least 128K RAM.

Product Name: TalkTime with Tucker

Vendor: Laureate Learning Systems, Inc.

Computer: IBM PC Family

Cost: $125.00

TalkTime with Tucker is a voice-activated software program designed to encourage users to talk. Speaking into the microphone causes Tucker to move and talk. The program accepts a broad range of sounds or speech. TalkTime can also be used with a keyboard or single switch.

A microphone is included. The program requires a 386-based PC, one 3-1/2" drive, a hard drive, MCGA or VGA graphics, and a Sound Blaster.

Product Name: Tea Party

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Tea Party is a computer program designed as a follow-up to "Let's Go Shopping" (see entry). Using a PowerPad or IntelliKeys overlay, players "shop" at four different stores to select items for a tea party.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh and Intellikeys, an Apple IIe emulation card is also needed.

Product Name: Teenage Switch Progressions

Vendor: R.J. Cooper & Associates

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.00 - $89.00

Teenage Switch Progressions is a set of five computer programs designed to be used by persons attempting transition from randomly activating a switch or touch screen for observation learning to activating a switch for specific timing. The five levels of programs are: cause/effect (level 0), attending to extended tasks (level 1), following directions (level 2), and responding to visual/auditory cues (levels 3 and 4). The scenes presented are twice as long as those in Children's Switch Progressions (see entry).

The Apple II version requires 128K of memory. The IBM version requires Microsoft Windows.

Product Name: Telling Time

Vendor: DEKRO, Inc.

Computer: IBM PC Family

Cost: $87.80

Telling Time is a software program designed for individuals with head injuries, stroke, or learning disabilities. The program's objectives are to gain a clear understanding of time representations, interprete clock movements up to one minute, and translate time from analog to digital and vice versa. The clock can be defined with or without numbers and with Arabic or Roman numerals.

Product Name: Telling Time, Parts of the Face, Learning Colors

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Telling Time, Parts of the Face, and Learning Colors are three programs with voice output designed to teach basic skills. Telling Time presents a clock face on the computer screen. Parts of the Face shows a color picture of a face and asks the student to identify parts. A correct answer is rewarded by a short refrain of a song. Learning Colors presents the full computer screen in a single color, and prompts the student to decide whether it is a certain color. The student answers yes or no using one of two switches.

A speech synthesizer is required for voice output. Contact the manufacturer about connecting switches to the computer. These programs were developed through the Telephone Pioneers of America, and are provided free to anyone interested.

Product Name: THINKable/DOS

Vendor: IBM Corporation

Computer: IBM PC Family

Cost: $495.00

THINKable/DOS is a software program that provides remedial practice for individuals who have attention and memory deficits that impair their abilities to function normally. The program uses real pictures, natural-sounding speech, and touch-screen input to provide controlled practice in visual attention, visual discrimination, recent memory, and sequential memory.

THINKable/DOS operates on any IBM 386 or 486 PS/1, ValuePoint, EduQuest, or PS/2 system. The IBM Audio Capture and Playback Adapter audio cards and the IBM 8516 Touch Display and Edmark Touch Window are supported. To get information about or order THINKable/DOS in the U.S. call (800) 228-0752, in Canada call (800) 465-7999.

Product Name: This is the Way We Wash Our Face

Vendor: UCLA Microcomputer Project

Computer: Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $35.00 - $36.00

This is the Way We Wash Our Face is a program that uses this familiar song to help teach such skills as turn-taking, sharing, beginning sequencing, and socialization in a small group. The program uses the PowerPad or IntelliKeys and an overlay that contains five pictures. By pressing on a picture, the student can hear the verse of "This is the Way. . ." that pertains to that picture. The program also presents an animated graphic for the verse. The "scene" on the computer screen returns to a bedroom scene after each verse, at which time another verse can be selected. The PowerPad can be passed amongst a group of students, each one taking a turn selecting a song. The song is sung by a speech synthesizer. The instructor must load the program and begin it; after that the students can operate it themselves.

The program requires a color monitor, a speech synthesizer, and a PowerPad; for the Macintosh and Intellikeys, an Apple IIe emulation card is also needed. The manufacturer suggests that this program be used with children ages 18 months to three years.

Product Name: This Old Man

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $35.00

This Old Man is a three disk set of software for use with a single switch, keyboard, or TouchWindow to teach numbers and counting up to ten. The program includes animation of numbers one through ten with the nursery song, "This Old Man," being sung and signed by a teacher on screen. The program can accomodate up to 12 players.

A color monitor, hard drive, 3.5" disk drive, system 7.0 or later, Quick Time 1.5 or later, and 8M RAM are required.

Product Name: Timekeeper

Vendor: Edmark Corporation

Computer: Apple II Family

Cost: $39.95

Timekeeper is a computer program intended to teach the skill of telling time. Practice is provided in setting both analog and digital clocks, as well as matching both to time displayed as text. The teacher or clinician can control increments of time intervals (one hour, 15 minutes, five minutes, etc.) as well as other options. Musical and color graphic reinforcement is provided.

Timekeeper requires an Apple II computer with 64K of memory and a color monitor. Use of a TouchWindow (see entry) is optional.

Product Name: Touch and Match

Vendor: Edmark Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $29.95

Touch and Match is designed to develop the ability to find differences and similarities among categories of objects, and to match these objects based on their similarities or differences. Three main activities focus on matching identical pictures, finding which picture goes with another, and which picture does not belong.

Over 60 pictures of common objects in seven categories are included. Teachers can pick the category of objects to be addressed for each student. Features include data on right and wrong answers and a test mode. Selections are made by pointing to and pressing a picture on the TouchWindow (see entry).

Product Name: Touch and See

Vendor: Edmark Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $39.95

Touch and See is designed to teach matching of similar objects, while developing attention and short term memory skills. Twelve boxes with pictures or words beneath them are displayed. When a box is pressed, it reveals a shape, picture, letter or word. The matching box must then be found. Eight different levels of items can be presented for matching, including shapes, upper case letters, lower case letters, upper and lower case letters, numbers, pictures, pictures and words, and words.

The teacher has the option of selecting how much time children will have to complete the lesson (30, 45, 60, or 90 seconds). With the TouchWindow (see entry), touching the boxes on the screen reveals what is underneath without using the keyboard.

Product Name: TouchMoney

Vendor: Edmark Corporation

Computer: Apple II Family

Cost: $69.95

TouchMoney is designed to teach students to count money by incorporating touch, hearing, and speech. TouchMoney is composed of six lessons which begin with identifying coins and end with an arcade style game that challenges players to use their money counting skills. On-screen help function is available in each lesson and is context sensitive. TouchMoney includes built-in scanning for single switch users and is designed for optimal use with the TouchWindow. Easy-to-use options allow teachers to customize the program to meet individual student needs.

Reproducible worksheets for practice and review and a Teacher's Guide are included. TouchMoney requires 128K, a single disk drive, and Echo II speech synthesizer. Supports IIGS mouse and single switch, TouchWindow and color monitor are recomended.

Product Name: Traffic Signs Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Traffic Signs Plus for Windows is a software program that teaches traffic sign recognition. The program features real-life photographs of signs in an actual city. Users see one of fifty traffic signs and are presented with three possible descriptions of the sign. Responses are reinforced and performance data are recorded. Traffic Signs Plus requires Microsoft Windows.

Product Name: Transportation Signs

Vendor: Conover Company

Computer: Apple II Family, IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $289.00

Transportation Signs is a eight-disk microcomputer program that teaches signs which are essential for getting around within a community and for employment in the transportation industry. The disks cover common signs (e.g., "Don't Walk," "No U Turn," "People Working," "Handicapped Parking," "Slippery When Wet"). The program is broken into an Instructional Segment, a Unit Review, and a Generalization Probe, plus an Evaluation Segment where information is contained for each user on words attempted, words correct on the first try, and words correct on the second try.

The program includes 8 disks, an administration manual, and 6 workbooks. Apple II versions require 64K of meory and IBM versions require 256K; both need a speech synthesizer.

Product Name: Trip to the Zoo

Vendor: Marblesoft

Computer: Apple IIGS, Apple Macintosh Family

Cost: $35.00 - $60.00

Trip to the Zoo is an exploratory play program which allows use of a mouse, TouchWindow, IntelliKeys, or single switch device. Trip to the Zoo is an integrated series of HyperStudio stacks using graphics and sound capabilities. Stacks can be modified with HyperStudio.

System requirements for the Apple IIGS include at least 1 MB RAM, a 3-1/2" disk drive, color monitor, and GS/OS version 5.0.4. The Macintosh requires a color monitor, 4 MB RAM, 8-bit color, system 7, and a CD-ROM drive. The standard version requires HyperStudio 3.1 and sells for $35.00 and a version which includes HyperStudio Run-time sells for $45.0. The Macintosh CD-ROM version sells for $60.00. IntelliKeys overlays can be purchased separately.

Product Name: Turn-Talking

Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family, IBM PC Family

Cost: $89.00

Turn-Talking is a software program designed to teach the non-verbal person how to interact appropriately in a conversation. A supervisor writes a script and has a person, close in age to the non-verbal person, record the phrases. Turn-Talking then conducts that conversation.

The IBM version requires Microsoft Windows.

Product Name: Twenty Categories

Vendor: Laureate Learning Systems, Inc.

Computer: Apple IIGS, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $200.00

Twenty Categories is a program that provides practice in using categorization skills through the use of multiple choice questions. Three hundred nouns in 20 categories are contained on two disks. The questions train categorization concepts in three ways: Inclusion Category to Noun, Inclusion Noun to Category, and Exclusion Category to Noun. Text and optional speech output ask the student to select the correct answer from among three choices. An animated scorekeeping display is optional. Scan speed, response time, and criterion for ending the lesson can be adjusted. Lesson summmaries and test performances may be viewed on-screen or printed.

The Apple IIe version of Twenty Categories requires an Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. A color monitor, TouchWindow (see entry), and printer are recommended. The Apple IIgs version requires one 3.5" disk drive and 1 MB of RAM. The IBM version requires 640K of memory, a speech synthesizer, and a disk drive. A color monitor and TouchWindow are recommended. Interface options include TouchWindow, a single switch, the keyboard, or a game controller.

Product Name: UKanDu Little Books

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $45.00

UKanDu Little Books is a series of early literacy software with simple and short animated stories designed to help build language experience for emergent and early readers. Each program has three four-page animated stories that the user completes. At the end each story can be printed on one sheet to be folded into a book. Single-switch access is built-in.

Two titles are available. Out and About features a first-grade readability level and 63-word vocabulary. A Day at Play features a second-grade readability level and a 60-word vocabulary.

Product Name: UKanDu Switches, Too!

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $45.00

UKanDu Switches, Too! is a switch training and practice software series that also introduces basic literacy. Each program features three levels of activity: cause and effect, opposites, and story completion. Available titles are Eensy & Friends and Forgetful & Friends. The programs can be used with a single switch, Ke:nx (see entry), mouse, keyboard, or TouchWindow (see entry).

Product Name: Understanding Attributes

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $104.95

Understanding Attributes is a program that provides opportunities for improving adjective or attribute use. The user must first find the attribute in a sentence, e.g., "Find the word that shows SIZE in the sentence: 'It is a large box.'" Then the user must select a new size for the box from three possibilities, such as green, square, or small. The space bar and return key are the only keys used when running this program. The program keeps track of progress and prints progress reports. An authoring option allows the clinician to create lessons. Lessons can be displayed on the screen or sent to a printer.

Product Name: Verb Fill-Ins

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Manual Form: Printed Manual

Cost: $104.95

Verb Fill-Ins is a program designed to provide cognitive training in use of verbs. A sentence with the verb missing is presented, followed by a list of three verbs. The user selects the appropriate verb using the space bar and the return key. The program provides visual and auditory reinforcement. Verb Fill-Ins has features that keep track of user progress and allow clinicians to author their own programs.

Product Name: Verbal Analogies

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $104.95

Verbal Analogies is a computer program that provides drills in building and understanding vocabulary. Analogies are presented (e.g., "SEVEN is to EIGHT as TWO is to ..."), and the client is asked to select the correct answer from a list of five possibilities (e.g., "ONE, THREE, FIVE, SEVEN, NINE"). The clinician may develop lessons, save progress information on up to ten clients, and print out progress reports and lessons.

Verbal Analogies is available in 3-1/2" or 5-1/4" sizes.

Product Name: Verbal Analogies Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Verbal Analogies Plus for Windows is a software program that drills users in word relationships. A sample analogy is presented to show a relationship. Then the first half of a test analogy is presented along with five possible choices for completing the analogy. The user simply selects the correct choice. Responses are reinforced and a second chance is offered for incorrect responses and the answer is supplied if that response is incorrect. New lessons can be created. The program requires Microsoft Windows.

Product Name: Video Voice Speech Training System

Vendor: Micro Video Corp.

Computer: Apple IIGS, Apple IIe,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $2,995.00

The Video Voice Speech Training System is a combination of specialized hardware and software programs that provides graphic representations of vocal sounds on a color monitor screen. The system includes facilities for training vowels, word articulation, pitch and volume controls, and rhythmic elements of connected speech. Models of targets provided by the teacher or therapist are stored on disk. Either live, game-style, or immediate, direct-overlay feedback may be selected for therapy work. A variety of game formats are also included. Voice trials are scored for closeness to the model, and cartoon rewards appear when the score exceeds a therapist-selected performance goal. Models may quickly be adjusted to reflect improved production of targets. Scores may be stored on disk for later review in single session reports or cross-time analyses of progress.

The Apple II version requires two 5.25" disk drives; the IBM version requires 640K RAM, one 5.25" or 3.5" disk drive, and a hard drive. All versions require a color monitor (the IBM version supports EGA/VGA) and a custom A-D card (included).

Product Name: Visi-Pitch Model 3300

Vendor: Kay Elemetrics Corporation

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $2,950.00

Visi-Pitch Models 330 is a system that displays various qualities of speech visually on a computer screen. Speech qualities that can be viewed include pitch, intensity, glottal onset, V.O.T., vocal roughness, and timing. This system also has high fidelity playback allowing a voice sample to be recorded into the system and played back through a speaker at higher than CD quality for critical listening of the voice sample. Clinical Protocols are also built in for quantification of voice parameters as well as biofeedback therapy. Dual screen stimulus matching is also available. Six software modules are included: pitch and intensity trace, pitch games, vowel and silibant training, voice assessment program, waveform editor, and delayed auditory feedback.

The package includes specialized hardware and software, circuit card, microphone, stereo speaker, headphones, and specialized mouse pad. This system is designed for use by speech language pathologists and is not recommended for home use.

Product Name: Visual Confrontation Naming Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Visual Confrontation Naming (VCN) Plus for Windows was designed to provide practice for people with head injuries and other cognitive impairments who have difficulty recalling the names of objects and events they encounter in their day-to-day lives. Pictures are displayed on the screen and users are asked to type the name of each picture displayed. When users cannot recall the name of a picture or require too much time to recall a picture name, prompts are offered. The program can be varied in acceptance of spelling errors, latency of response measures, and automatic clues contingent upon user responses. The program works with Microsoft Windows.

Product Name: Visual Memory Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Visual Memory Plus for Windows is software designed for neurologically impaired children and adults with short term memory and attention deficits. A picture is presented and the user is asked to find that picture when four pictures are presented as choices. The time delay between the presentation of the stimulus and the answer can be varied. The discrimination aspect can also be controlled to affect the difficulty of the task. The program requires Microsoft Windows.

Product Name: Visual Motor Skills

Vendor: Judy Lynn Software

Computer: IBM PC Family

Cost: $35.00

Visual Motor Skills is a software program designed to emphasize and reinforce switch cause and effect related concepts including basic visual motor skills, visual scanning, vertical and horizontal tracking, color and shape sorting, block stacking and alignmnet, pegboard concepts, and others. In most of the selections in this program, a lifelike hand picks up an object and then moves back and forth across the screen. Activating the switch or spacebar at the appropriate time will cause the hand to release the object.

A VGA monitor is required.

Product Name: Visual Pattern Memory Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Visual Pattern Memory Plus for Windows is software designed for neurologically impaired children and adults with short term visual memory and attention deficits. A picture grid of 16 pictures is presented, all but a specificed number of pictures are temporarily removed, then the entire picture grid is re-displayed and the user is asked to identify those pictures that remained on the screen. The number of pictures displayed and time they are displayed can be varied. The program requires Microsoft Windows.

Product Name: Visuospatial Skills I

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Visuospatial Skills I is a series of six visual spatial training programs. Maze I, II records time and errors for user to maneuver through a floor plan as rapidly as possible without hitting the walls. Cube-in-the-Box I, II records time intervals for user to keep a cursor in a randomly jumping frame. Line Orientation I, II displays an array of lines and asks the user to rotate a single line on the right of the screen to match a randomly selected item in the array, matching either visually or from memory. Fine Motor asks the user to maneuver the cursor along a track on the screen at a fast but steady pace (cursor will disappear briefly if user proceeds too quickly); program records time and number of restarts. Visual Perception (Closure and Integration of Parts) records success at recognizing a shape from visual presentation through a vertical slit sweeping across the screen, exposing only a portion at a time. Paddle Ball asks user to intercept a ball at the bottom of screen with game paddle to keep it in play.

Microsoft Windows is required.

Product Name: Visuospatial Skills II

Vendor: Psychological Software Services, Inc.

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $400.00

Visuospatial Skills II is a series of seven visual spatial training programs. Perceptual/Motor I requires the user to position a line so that it mimics a target line. Guess Which Shape fills in a figure so that it emulates one of four, eight, or 16 target shapes; the user has to identify which target shape is being filled in. How Many Block requires the user to enter the number of blocks required to create a randomly-drawn pattern. Labyrinth is a 3-dimensional maze that is run within a designated time and penalty limit. Figure/Ground Perception requires identification of a drawing that emerges from a screen full of colored blocks within a time limit. Designer Patterns requires copying of a target design. Spatial Perception I requires the user to identify which block in a 5 x 5 matrix has just flashed on and off; the speed of presentation varies according to the number of correct and incorrect responses.

Microsoft Windows is required.

Product Name: Vortex Machine Assisted Reader Software

Vendor: Tenax Software Engineering

Computer: IBM PC Family

Cost: Free

Vortex Machine Assisted Software is designed to help individuals with a reading disability read at over 1000 words a minute. Vortex is the first application of newly developed Machine Assisted Reading Software (MARS) technology that. In addition to the MARS features, Vortex allows on screen typeface control, on screen reading speed control, and on screen display position control.

Vortex requires a Microsoft Windows computer and a 386 CPU (for proper timing). Versions for other computers and operating systems are currently being planned. Vortex is available for downloading from the following sites as either Vortex.zip or Vortex1.zip: CompuServe Information Services, AI Expert Forum, Microsoft Windows Shareware Forum, Ziff-Davis Public Brand Software, on the Internet at oak.oakland.edu and ftp.csusm.edu. Vortex may also be available from local shareware vendors and for $39.95 (for Vortex 2.0) directly from Tenax Software Engineering.

Product Name: Wheels On The Bus I, II, III

Vendor: UCLA Microcomputer Project

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Manual Form: Printed Manual

Cost: $35.00 - $36.00

Wheels on the Bus I is a program that sings a song and shows animated pictures to go with it. A five-square overlay is placed on a PowerPad. Each overlay has a picture pertaining to a verse of the popular preschool song. When a square is touched, it activates the verse indicated by that picture. The song is sung by a speech synthesizer. Target skills include turn-taking, sharing, beginning sequencing, socialization in a small group, and picture recognition. The instructor must insert the disk and start the program; after that the students can play independently. Wheels on the Bus II and III provide additional verses of the nursery school songs.

Wheels on the Bus requires a color monitor, a PowerPad, and an Echo speech synthesizer. The suggested age range for use is 18 months to three years. Macintosh and Intellikeys version requires the Apple IIe emulation card. The IBM version requires PowerPad, IntelliKeys, TouchWindow, or single switch - spacebar, and a speech synthesizer.

Product Name: Wheels on the Bus I, II, III - Intellipics Activity

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $25.00 each

Wheels on the Bus I, II, III - Intellipics Activity is a variation of the popular nursery song that requires Intellipics (see entry) to run. Each disk features five or six verses with digitized sound and color animations. The programs can be used with Intellipics options and include both free choice and quiz options.

Product Name: Wheels on the Bus: COMPLETE

Vendor: UCLA Microcomputer Project

Computer: Apple Macintosh Family

Cost: $55.00

Wheels on the Bus: COMPLETE includes all 16 verses from Wheels on the Bus I, II, and III (see entry). If Intellikeys is used, the user may select from three overlays, or the user may select from one to nine verses when playing. Two levels of play allow children to choose any picture or to find a given picture. Includes digitized music and animation.

The program is compatible with the following input methods: IntelliKeys, TouchWindow, single switch - spacebar, mouse, or trackball.

Product Name: Where is Puff?

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe,
Apple Macintosh Family

Cost: $35.00

Where is Puff? is a software program intended to teach the use of prepositions. Prepositions taught include: in, on, under, in front of, in back of, and next to. The scanning rate may be adjusted, and data may be collected on the student's progress.

A speech synthesizer, color monitor, and single switch are required; for the Macintosh, an Apple IIe emulation card is also needed.

Product Name: Word Association Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Word Association Plus for Windows is a software program that asks users to recognize words that are associated with other words (salt-pepper) or are parts of other words (toe-foot). The program presents a word and then asks the user to find an associated word in a list of words. Word Association Plus requires Microsoft Windows.

Product Name: Word Order in Sentences

Vendor: Parrot Software

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family

Cost: $104.95

Word Order in Sentences is a computer program designed to teach sentence structure. A scrambled sentence (e.g., "WEAR THOSE PANTS I CAN'T") is presented; the client presses the space bar to change the order of the words. The clinician may design lessons, save progress information for up to ten clients, and print out progress reports and lessons.

Word Order in Sentences is available on 3-1/2" or 5-1/4" disks.

Product Name: Word Order Plus for Windows

Vendor: Parrot Software

Computer: IBM PC Family

Cost: $134.95

Word Order Plus for Windows is a software program that uses a scrambled sentence paradigm. A scrambled set of words is displayed and the client must examine those words and construct a sentence using them. Words are selected with the mouse. The program requires Microsoft Windows.

Product Name: Words and Concepts I, II, III

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Manual Form: Printed Manual

Cost: $200.00 - $225.00 each

Words and Concepts is a set of three programs that integrate language and concept training using speech output and pictures of 40 nouns. Each program offers the following activities using different core vocabularies and pictures, usually at three levels of difficulty: Vocabulary, Categorization, Word Identification by Function, Word Association, Concept-Same, and Concept-Different. Touch Window (see entry), a single switch, the keyboard, and a game controller. A mouse option is available for the Apple IIGS and IBM versions.

The Apple II version ($200.00) requires 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive. The Apple IIGS version ($225.00) requires 1 MB memory, ROM version 01 or later, RGB monitor, and a 3.5" disk drive. The IBM version ($225.00) requires 640K memory, DOS 3.3 or higher, VGA or MCGA graphics, DigiSpeech synthesizer, and a 3.5" disk drive. The Macintosh version ($225.00) requires Macintosh LC or higher, System 7, hard drive, and 4 MB of RAM.

Product Name: WordWise Software

Vendor: Attainment Company

Computer: Apple Macintosh Family

Cost: $289.00

WordWise Software is a series of computer programs designed to teach basic language skills through a combination of words, pictures, and two-way speech. A word list can be created for each student and users can record their own speech and compare it to the computers. In the quiz option, the user must match spoken words to pictures and text. Personalized picture pages can be printed for use with communication devices.

The six programs contain words pertaining to the following areas: people, community, house, outdoors, actions, and adjectives. Price is for the six programs and WordWise Language Cards (see entry). Each program is also available individually for $59.00. Contact the manufacturer for site license information.

Product Name: Worm Squirm

Vendor: UCLA Microcomputer Project

Computer: Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $35.00 - $36.00

Worm Squirm is a program designed to help develop fine motor skills, spatial relationships and directional concepts. The student tries to direct a worm through a path on the computer screen. The worm can be directed by pressing four large arrows (up, down, right, left) on the PowerPad expanded keyboard (see entry).

A color monitor and PowerPad are required to operate Worm Squirm; for the Macintosh and Intellikeys, an Apple IIe emulation card is also needed. The program is recommended for children age three to first grade.

Product Name: WSCC (Washington State Cooperative Curriculum)

Vendor: J.E. Stewart

Computer: Apple II Family, IBM PC Family

Cost: $17.00 per disk

WSCC (Washington State Cooperative Curriculum) is software goals and objectives for individuals with severe and profound disabilities. The curriculum includes 289 goals and 22,834 objectives in all with titles in: socialization, self help, gross motor, communication, pre-vocational, academic, and leisure. The programs are on 23 disks which may be purchased separately or as a set.

Product Name: Zoo Time

Vendor: UCLA Microcomputer Project

Computer: Apple II+, Apple IIGS, Apple IIe, Apple Macintosh Family

Cost: $35.00 - $36.00

Zoo Time is a computer program that presents five zoo animals. At level 1, the child may select any animal from the PowerPad or IntelliKeys overlay. At level 2, the child selects an animal from a name cue. At level 3, the child selects an animal based on a given action.

A speech synthesizer, PowerPad or IntelliKeys, and color monitor are required; for the Macintosh and IntelliKeys, an Apple IIe emulation card is also needed.

Chapter 20

Adaptive Educational Software

This chapter includes all application software and software/hardware packages whose primary function is to educate. Software that focuses on topics which are traditionally part of the school curricula is included in this chapter. Software that focuses on topics such as basic skills, ADL skills, communication skills, and vocational training is not in this chapter but is listed in Chapter 19 (Training and Therapy Software).

Only software specifically adapted for use by students with disabilities is included. There is a large amount of curricular skill software that was not designed specifically for students with disabilities but still has features that make it potentially useful to these students. There is simply too much of this software for us to list here. If you want to know more about how to creatively apply "regular" education software in special education settings, consult the list of Software Resources in Appendix B.

The products in this chapter are cross-listed by a number of functions in Index 1. If there is a testing component in a program, it will be cross referenced under Assessment (AS). In addition, many programs in this section that do not have an evaluative component can often be used creatively for assessment purposes. Programs that focus on math are cross-listed with Math and Calculation (CN), programs that involve prereading skills are cross-listed with Early Skills (ES), and programs that involve some reading are cross-listed with Late Skills (LS).

The following product entries appear in this chapter:

Access to Math, *713*
APH/SEI Talking Software, *713*
Arithmetic 1, 2, and 3 with Speech, *714*
Basic Learning Skills Courseware, *714*
CAMEO, *715*
Career English, *715*
Complete Spelling Program, *716*
Drive to Live, *716*
Early Learning II, *717*
Early Learning III, *717*
Edmark Reading Program, Level 1 Software, *718*
Elementary Volume 1 - Mathematics, *718*
ERIN (Early Recognition Intervention Network), *719*
Focus on Facts, *719*
Focus on Nations, *720*
Geometric Figures and Spatial Concepts, *720*
H:2 Handicapped Arithmetic Flash Cards, *721*
JOKUS Software, *721*
K.C. & Clyde in Fly Ball, *722*
Learning the Alphabet, *722*
Listen and Spell, *723*
Prefixes, *723*
Program for Aphasics, *724*
Readable Stories Series, *724*
Reading Horizons, *725*
Sensible Speller: Talking APH Edition, *725*
Sharon's Programs, *726*
Sight Word Spelling, *726*
Speaking Speller, *727*
Spell-A-Word & 2+2, *727*
Spell-Talk, *728*
Spelling Tutor, *728*
SPELLIST, *729*
Spin and Spell, *729*
Study Buddy, *730*
Talking Public Domain Disks, *730*
Talking Riddles, *731*
Voice Math, *731*
Voice Reading Ability Drill, *732*
Wordplay with Alps and Droops, *732*
Write, *733*
Write This Way, *733*
Zero to Five, *734*

The following products from other chapters can also be used as Adaptive Educational Software:

Core Reading and Vocabulary Development, *583*
Early Learning 3.5/Complete Early Learning 5.25, *591*
H:1 Handicapped Word Games, *752*
Keyboarding by Ability, *617*
Keyboarding for Individual Achievement, *617*
Keyboarding for People with Cerebral Palsy, *618*
Keyboarding with One Hand, *619*
Single Switch Software, *675*
Special Education Public Domain Software, *677*
Trace Math Aid, *769*

Product Name: Access to Math

Vendor: Don Johnston Incorporated

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $70.00 - $95.00

Access to Math is a software program that permits teachers or clinicians to create addition, subtraction, multiplication, and division problems for individual students, and to save these problems to disk. The program has features such as carry, borrow, and finger count that allow users to see both the work in progress and the steps used to complete the problems. The "finger count" command permits students to put lines on the screen and count each individual line. The "carry" and "borrow" commands place boxes on the screen which indicate the next steps in solving the problem and the correct positioning of the numbers in the problems.

The prices are $95.00 for the teacher edition (includes one workbook disk and one student disk), and $70.00 for the student edition (includes five disks; must be used with the teacher edition).

Product Name: APH/SEI Talking Software

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Large Print Manual

Cost: $38.40 each

APH/SEI Talking Software is an adaptation of 33 tests from Sliwa Enterprises, Inc.'s educational software series for high school and college students and adults. Adjustable speech synthesis software is incorporated into each disk. At any point, the student may obtain information on scores, review question and answer choices, and alter the speech output. All information is provided in spoken form.

Titles available (on 5.25" disks) are: Afro-American Literature, American History 1 through 4, American Poetry, Ancient Civilizations, Asian/African History, Dickens, Early American Literature, European History 1 and 2, Fantasy, Foreign Governments and the United Nations, High School Literature 1 through 3, History of Space Flight, Modern British Literature, Mystery, Mythology, Edgar Allan Poe, Science Fiction, Sentence Completion, Shakespeare 1 and 2, Short Story, Steinbeck/Faulkner/Hemingway, Mark Twain, U.S. Government, Vocabulary Builder, Women Authors, and Word Analogy. An appropriate Echo speech synthesizer (see entries) is required.

Product Name: Arithmetic 1, 2, and 3 with Speech

Vendor: Life Science Associates

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $60.00 - $175.00

These programs provide drill and practice on the four arithmetic operations and practice in solving simple word problems. Because they were written specifically for use with the ECHO II, there is correct pronunciation of mathematical symbols and two digit numbers. The teacher or student can set the level of difficulty of the problems, the score is given at the end of each program, and automatic record-keeping capabilities are included. All three programs include an introduction to the keyboard. Arithmetic 1 covers addition, subtraction, multiplication and division of whole numbers, and word problems ($75.00). Arithmetic 2 covers mixed operations, two-step problems, and problems with missing elements ($75.00). Arithmetic 3 contains timed drills on addition, subtraction, multiplication, division and mixed operations using whole numbers. A timed game for two players is included ($60.00). The entire set of programs is $175.00.

Product Name: Basic Learning Skills Courseware

Vendor: Conover Company

Computer: IBM PC Family

Cost: $1,975.00

The Basic Learning Skills Courseware is a comprehensive series to teach adult learners with skills on a first through third grade level in the areas of reading, language, and mathematics. The software utilizes a human-digitized voice as well as graphics to explain lesson content and provide feedback. Lesson plans can be individually tailored and a comprehensive management system allows teachers to have direct access to the student's progress. Each program in the series contains a three-step approach to mastery of basic learning skills consisting of diagnostics, prescriptive, and mastery testing.

System requirements include 3-1/2" disk drive, hard drive, color monitor, and Digispeech, Covox Speechthing, Tandy Sound, SoundBlaster, or VoxCard. Price is for the complete stand-alone series. The reading program can be purchased separately for $795.00, the language program for $650.00, and the math program for $765.00. Network packages are also available.

Product Name: CAMEO

Vendor: J.E. Stewart

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family

Cost: $17.00 per disk

CAMEO (Computer Assisted Management of Educational Objectives) is a software curriculum designed for individuals with mild and moderate disabilities. The set is a K-12 curriculum to help the user develop plans in different subjects. CAMEO has a total of 163 goals and 6,672 objectives which complement standard school curriculum areas. Titles include: language arts, daily living and social, physical education, and mathematics.

CAMEO consists of ten disks which are each $17.00.

Product Name: Career English

Vendor: Conover Company

Computer: IBM PC Family

Cost: $3,999.00

Career English is a comprehensive software series covering the essential English skills needed for success in the workplace. The eight courses in the series deal with punctuation, writing, sentences/nouns/pronouns, verb usage, modifiers, connectives and interjections, sentence completers and phrases, and sentence types and fragments. Career English provides the teacher with built-in accountability with both pre and post tests as well as a mastery test for each lesson.

System requirements include 640K and two 5-1/4" or 3-1/2" disk drives. Price is for one complete stand-alone series. Each of the eight courses are available separately at varying prices from $149.95 - $749.95. Network packages are also available.

Product Name: Complete Spelling Program

Vendor: SLED Software

Computer: Apple II Family, Commodore 64

Manual Form: Printed Manual

Cost: $199.00 - $230.00

Complete Spelling Program consists of instructional activities in spelling designed for students with spelling deficits or specific learning disabilities, from fourth grade to adult. The comprehensive, self-contained program includes five basic spelling rules, exceptions and generalizations, and provides repetitive exercises and reinforcement. The program features: tutorials for each rule, drill and practice, graphics, student pacing, correct answers and summary performance with the option to proceed available on request.

The lessons for the Commodore or PET version are priced as follows: "F-L-S or Z Rule," four tapes, $38.00; "Doubling Rule or One, One, One," four tapes, $38.00; "Silent E Rule," six tapes, $57.00; "The Y Rule," six tapes, $57.00; "Extension of the Doubling Rule," six tapes, $57.00. The programs are available as a complete package for the Commodore 64 (five disks or 26 tapes) or PET (one disk or 26 tapes); the price is $199.00. The same series of 26 lessons is offered for the Apple II family, as a four-disk package only, for $230.00.

Product Name: Drive to Live

Vendor: Blessing, Maleta

Computer: Apple IIe, TRS-80 Model II

Cost: $25.00

Drive to Live is a software program designed to assist persons in Drivers' Education training to learn driving rules. The program has a section of study questions and a test. The program is based on the 20 most frequently asked questions taken from the drivers' handbooks of Texas, New Mexico, Louisiana, Oklahoma, and Arkansas. Prior computer knowledge is not assumed. Each question is presented twice with the correct answer then each question is presented in multiple choice form until the student answers correctly; correct answers are rewarded by a positive statement (e.g., "YOU ARE RIGHT"). After running through the study questions, the student may choose to take the test or review the material. Questions on seatbelt use and drug use are included.

The program is available for the Apple IIe and TRS-80 Model II. A separate version that covers driving rules for Canadian provinces is also available.

Product Name: Early Learning II

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $57.00

Early Learning II is a program for teaching addition and number sequencing. The lessons Early Addition I and II teach addition with the graphic presentation of objects for reinforcement. The lessons Sequencing Up and Sequencing Down teach number sequences by requesting the student to fill in a missing number. All four lessons can be controlled with the keyboard, voice input, or one or two switches. The switch option presents "yes" and "no" choices. A speech synthesizer provides voice reinforcement. All lessons have increasing levels of difficulty. A record keeping program is also included. The program can "beep" when numbers are entered for the benefit of users with blindness.

A 128K Enhanced Apple is required to run Early Learning II. An Echo or Double Talk speech synthesizer is required for the option of voice reinforcement. The Macintosh version requires a Macintosh LC with a IIe emulator card. Keyboard overlays are included. Hand Controls (see entry) can be purchased for the switch option. Early Learning II can be used with the PowerPad, Touch Window, or IntelliKeys (see entries). Backup copies are available (extra). PowerPad and IntelliKeys overlays can be purchased.

Product Name: Early Learning III

Vendor: Marblesoft

Computer: Apple IIGS, Apple IIc, Apple IIe, Apple Macintosh Family

Manual Form: Printed Manual

Cost: $57.00

Early Learning III contains three programs designed to teach subtraction and number comparison. The Early Subtraction I and II programs display objects on the screen to teach subtraction of numbers from 1 to 19. More Than/Less Than teaches comparison of sets, numbers, and equations. All programs feature adjustable levels of difficulty. The program can "beep" when a number is input for the benefit of users with blindness.

Early Learning III requires a 128K Enhanced Apple. The input form may be a keyboard, hand controls, PowerPad, Touch Window, or IntelliKeys. An Echo or Double Talk speech synthesizer is recommended. A record-keeping system is included in the program. A keyboard overlay is also included. Backup copies are available (extra). IntelliKeys and PowerPad overlays can be purchased separately.

Product Name: Edmark Reading Program, Level 1 Software

Vendor: Edmark Corporation

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $450.00 - $600.00

The Edmark Reading Program is the software version of a highly repetitive sight word approach for students from age three to adult. The student uses a joystick or TouchWindow (see entry) to make selections; keyboard use is another option, but is not required. The same prerequisites of the printed program apply: the student must be able to point, say or sign back a response, and have enough receptive language to understand the cues. Lessons move from pre-reading matching to word recognition, matching words to pictures, matching phrases to pictures, and short illustrated stories. A resource on disc allows the teacher to maintain data on three students at one time.

Use of an Echo speech synthesizer is required if the teacher wishes to provide verbal cues and reinforcement that differs to suit student response. The Edmark Reading Program for $450.00 consists of one system disk and 15 lesson disks. A back-up disk is also included for a package price of $600.00.

Product Name: Elementary Volume 1 - Mathematics

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $18.60

Elementary Volume 1 - Mathematics is an education program originally developed by MECC (Minnesota Educational Computing Corporation) and adapted for speech output by the American Printing House for the Blind. The program is designed so that all output is presented by a speech synthesizer. There are eleven programs included on a single 5.25" disk: Bagels, a mathematical logic and guessing game; Change, a change-counting drill; Hurkle, a game for teaching the coordinate system; Metric Estimate, where the student must estimate the length of a line (which can be printed in braille); Metric Length, a drill on converting metric units; Metric 21, a blackjack game for teaching metrics; Number, a guessing game; Round, a number-rounding drill; Speed Drill, a timed or untimed drill on arithmetic; Taxman, a program on factors and primes; and Tens, a drill on multiplying multiples of ten.

An appropriate Echo speech synthesizer (from Street Electronics), is required.

Product Name: ERIN (Early Recognition Intervention Network)

Vendor: J.E. Stewart

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Cost: $17.00 per disk

ERIN (Early Recognition Intervention Network) is a software curriculum for students with early childhood learning disabilities. ERIN has a total of 56 goals and 1,128 activities on two disks; one focuses on toddlers and infants, the other on primary school age children.

Product Name: Focus on Facts

Vendor: Exceptional Teaching Aids

Computer: Apple II Family

Cost: $27.50

Focus on Facts is a software program designed to teach students important facts in everyday life, at school and at home. All information is presented to the student in synthesized voice. The student does not need to be able to see the screen to use the program. Students can choose to use multiple-choice or fill-in-the-blank format. The set includes a 5-1/4" disk, recorded tour of the program, and a manual.

Product Name: Focus on Nations

Vendor: Exceptional Teaching Aids

Computer: Apple II Family

Cost: $29.00

Focus on Nations is designed to challenge students to place countries in their geographic location. All information is presented to the student in synthesized voice. The student does not need to be able to see the screen to use this program. The program tests on the locations of 160 countries in eight tests. Test One deals with well-known countries, but by the time the student reaches Test Eight, the countries are lesser known. The set includes a 5-1/4" disk, recorded tour of the program, and a manual.

Product Name: Geometric Figures and Spatial Concepts

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Geometric Figures and Spatial Concepts is a simple educational program with voice output. Various shapes (rectangles, circles, triangles, stars, etc.) are presented on the screen. The student is prompted by the synthesized voice to identify them. An object is shown in a variety of positions (such as inside a box, outside a house, or on a line), and the program prompts the student to indicate the right position word. A running score is presented in the lower right-hand corner of the screen.

A speech synthesizer is required to run the program. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: H:2 Handicapped Arithmetic Flash Cards

Vendor: E. David & Associates

Computer: TRS-80 Color Computer

Manual Form: Printed Manual

Cost: $24.95

H:2 Handicapped Arithmetic Flash Cards is a math practice program for persons unable to type on a standard keyboard. The program provides seven units with practice in simple addition, subtraction, and multiplication. Several input methods can be used with this program, including a joystick or mouse.

Product Name: JOKUS Software

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $50.00 - $95.00

Jokus Software is a collection of single switch educational software programs. The programs do not require reading skills but rely on both graphics and sound. The programs each have an instructor's menu so that the settings of the program can be adjusted for the individual user. Once the start icon on the instructor's menu is clicked the program is handed over to the user.

The activities all accept a variety of input devices and names include: The Camelephant, Faces, ToyStore, Hit'n Time, aMAZEing ways, Pippi Longstocking, Vidur Viking, and Workshop. Jokus Software is compatible with all color Macintosh computers.

Product Name: K.C. & Clyde in Fly Ball

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $79.00

K.C. & Clyde in Fly Ball is an interactive adventure story program that focuses on words, context, and multiple story paths. Program features helpful to students with special needs include the low reading level and high interest level, automatic word and book scanning options, and TouchWindow or single switch access. The story begins when K.C. hits his baseball really far, and K.C. and Clyde look for it. The student must decide which way they should go and direct the story in one of up to 21 different paths. Along the way, words and concepts are explained depending on the the mode set by the teacher.

Program requires Macintosh LCII or higher, 8 MB RAM, hard drive, system 7, CD-ROM player, and 256 color monitor.

Product Name: Learning the Alphabet

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Learning the Alphabet is an educational program with synthesized voice output. In the first phase of the program a single letter is presented occupying the full screen and spoken by the synthesizer. Associated with the letter is a word beginning with that letter. In the second phase of the program a particular letter is presented and spoken, and the student is asked if the letter has been identified correctly. The student makes a yes/no decision using two switches. In this phase of the program the letters are presented in random order. A running score is displayed in the lower right-hand corner of the screen.

A speech synthesizer is required to use this program. Contact the manufacturer about connecting switches to the computer. This program was developed through the Telephone Pioneers of America, and is free to anyone interested.

Product Name: Lisien and Spell

Vendor: Exceptional Teaching Aids

Computer: Apple II Family

Cost: $24.00 - $44.00

Listen and Spell is an educational software program designed to improve the user's spelling ability. Using an Apple II computer and an Echo II speech synthesizer (extra), the program "speaks" a word and prompts the user to type it correctly. The program provides up to 400 words from which to choose; it gives the user twenty lists of words that each contain twenty words. An advanced version of this program, Listen and Spell 2000, provides up to 2000 words for spelling exercises; it uses the same equipment and format.

Listen and Spell includes one 5.25" disk, a user's manual, a listing of the 400 words, and a recorded tour of the program on cassette tape; it is sold for $24.00. Listen and Spell 2000 includes two 5.25" disks, user's manual, cassette tour, and list of words; it is $44.00. These programs are sold separately.

Product Name: Prefixes

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Cost: $34.95

Prefixes is an interactive software program created by Minnesota Educational Computing Corporation (MECC) and speech-adapted by APH. The program is designed to teach about and provide practice for the use of the following prefixes: un, re, dis, pre, and in. The disk includes such activities as fill-in-the blank, type the prefix of the word, mark the prefix with the arrow keys, and complete the hidden word puzzle. Both a 5.25" and a 3.5" disk are included. The 3.5" disk includes graphics for low vision students. The program is designed for students age 8 to 12 years.

System requirements include 128K RAM and a disk drive.

Product Name: Program for Aphasics

Vendor: Favin, David

Computer: Texas Instruments TI 99/4A

Manual Form: Printed Manual

Cost: Free

Program for Aphasics is a program for teaching spelling. The program displays and speaks a word, and the user is then asked to spell it. The user can "cheat" as much as desired in the attempt to spell a word, but once the attempt at spelling the word begins the prompting ceases. The prompting can be started again by the user, but this erases any previous partially spelled word.

A speech synthesizer is required for voice output. This program was developed through the Telephone Pioneers of America, and is free to anyone who is interested.

Product Name: Readable Stories Series

Vendor: Laureate Learning Systems, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $110.00 each

The Readable Stories Series is a trio of programs designed to improve reading comprehension of early and intermediate-level readers. Each program consists of a story diskette and a question diskette. The stories use graphics, text, optional speech, and animation. Each story can be presented at three different levels, controlled for sentence length, word order, and the use of clauses and idioms. The reader uses the keyboard or a single switch to control the pace of presentation and to have any segment of the story or animation repeated. After the story is read, the reader is asked a series of comprehension questions. Visual and spoken encouragement is given in response to the reader's replies.

The three available programs are: The Birthday Surprise (focuses on main idea and sequence of events), The Puppet Show (focuses on comprehension of how and why events occurred), and The Hidden Toy (focuses on who, what, and where questions). An Apple II computer with 64K memory, a monitor, a speech synthesizer, and a 5.25" disk drive are required. A color monitor and a printer are recommended.

Product Name: Reading Horizons

Vendor: Conover Company

Computer: IBM PC Family

Cost: $1,795.00

Reading Horizons is a software program to teach reading skills to adult students with no prior reading or keyboarding skills. The program provides a multi-sensory methodology, which includes audio, visual, and tactile components. In addition to reading skills, this program is designed to provide growth in spelling and handwriting skills. Each lesson requires the learner to complete handwritten work as well as computer responses and a human voice soundtrack provides instant feedback.

System requirements include 640K, a printer, one disk drive, CD-ROM player, and Covox Speechthing. Price is for a stand alone system. Various network packages are also available.

Product Name: Sensible Speller: Talking APH Edition

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Audiotape Manual, Printed Manual

Cost: $97.00

Sensible Speller: Talking APH Edition is a software program made by Sensible Software, Inc. and speech modified by APH. The Sensible Speller checks word proccessor documents against a disk-based Random House Dictionary of more than 80,000 words.

System requirements include: word processing program that stores documents using ProDOS and 128K RAM.

Product Name: Sharon's Programs

Vendor: Access Unlimited

Computer: Apple IIGS, Apple IIc, Apple IIe

Cost: $25.00 each

Sharon's Programs is a collection of 15 large print computer programs that provide training in various basic skills. The programs are Simple Cause and Effect, Fun with Colors, Learning Directions, Big and Small, Same and Different, Scanning Fun, Knowing Directions, Learning Shapes, Learning Letters, Learning the Alphabet, Learning Numbers: One to Five, Silly Letters and Numbers, Learning Sight Words, Simple Addition, and Readiness Fun. The programs can be run using either the standard keyboard or alternative keyboards. Many of the programs can also be run using a single or dual switch with scanning.

An Apple IIe, IIc, or IIGS with one 5.25" inch disk drive is required. A color monitor is required for some programs and is recommended for all programs. Each program is $25.00. All 15 programs are available for $325.00. A sampler disk of four working programs is available free of charge on request.

Product Name: Sight Word Spelling

Vendor: Exceptional Children's Software, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $29.95

Sight Word Spelling is a spelling practice program for common words and number sequences. The program presents teacher-generated lists of ten items each, which can include words of up to six letters or numbers of up to three digits. The program vocalizes each letter or number of the target item for the user to duplicate with the keyboard. Length of display, time, volume, and pitch of voice are user-specifiable. Program is intended for students at a first or second grade level of spelling.

Program requires an Echo II speech synthesizer for operation.

Product Name: Speaking Speller

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Large Print Manual

Cost: $24.95

Speaking Speller is a spelling skills program with speech output. The program reads a word to the student in a synthesized voice: first alone, then in the context of a sentence. This sequence may be repeated if desired. The student is then required to spell the word on the computer keyboard. Speaking Speller allows the instructor to create custom lists of words, and to adjust the way the synthesizer pronounces the words by including phonetic spellings. The length of the word list is limited only by computer memory, and extra lists can be stored on disks. Speaking Speller has two sections. In the practice section, the student receives immediate reinforcement if a spelling is correct, or given the correct spelling if a spelling is incorrect. In the test section, the results are only given at the end of the session; either in printed form, on the screen, or in spoken form.

An appropriate Echo speech synthesizer is required to run Speaking Speller. The 5.25" disk comes with a ProDOS version on one side and an Apple DOS 3.3 version on the other.

Product Name: Spell-A-Word & 2+2

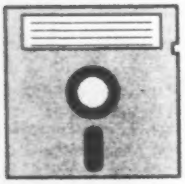
Vendor: R.J. Cooper & Associates

Computer: Apple II Family, Apple Macintosh Family, IBM PC Family

Cost: $75.00 - $89.00

Spell-A-Word is a computer software program that provides drills in spelling. In Train mode, a word is presented to the student in large print and is simultaneously spoken. The student is then prompted to type in the word while large outlines on the screen are used as models. Correct letter entries are accepted and spoken; incorrect entries produce a buzz. Verbal praise and motivating sounds reward each completed word. After all words are trained, the Drill mode prompts the student verbally to type the word. The student may press the space bar to access a Help feature. After the student has correctly spelled the word, a line drawing is displayed that the student may color in as a reward. The 2+2 software is an arithmetic program which allows problems to be created for drill and practice. With both programs, the teacher may enter word lists, select Train and Drill levels, and print scores showing student progress.

The Apple II version requires 128K of memory. An Echo speech synthesizer is recommended (required for speech output). The IBM version requires Microsoft Windows.



Product Name: Spell-Talk

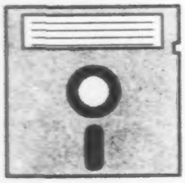
Vendor: Access Unlimited

Computer: Apple II Family

Cost: $50.00

Spell-Talk (formerly called Tell and Spell) is a talking spelling program. The instructor can create lists of words, determining how they should be spelled and how the speech synthesizer should pronounce them. The program presents the words to the student, who must type in the correct spelling. Options include: storing word lists for future use, built-in "help" instructions, a teacher's security system, and record keeping.

An Echo speech synthesizer (extra) is required to use Spell-Talk.



Product Name: Spelling Tutor

Vendor: Access Unlimited

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Spelling Tutor is a spelling practice program with voice output options useful for program operation and testing functions. Program allows creation and testing of spelling lists, with different user options within testing mode to proceed, cue, repeat or list spelling words. An additional feature allows use of the Study Buddy program (extra;see entry) to create vocabulary or word lists for use as spelling words in Spelling Tutor. Voice options include female and robotic voice.

Program requires an Echo speech synthesizer for voice output.

Product Name: SPELLIST

Vendor: Castle Special Computer Services, Inc.

Computer: Apple IIGS, Apple II Family

Manual Form: Printed Manual

Cost: $50.00

SPELLIST is a spelling training program which provides practice at spelling from computer-generated dictation. Included in the program are options of assigning and practicing assigned words and phrases from over 800 words and phrases stored in standard lists or from those stored in customized word lists. The program voices the target word, pronounces each letter as the user spells the target, prompts and reinforces responses. Word lists may be adapted or added.

SPELLIST is suitable for use by many students in a classroom, one at a time. A speech synthesizer (extra) is required to use SPELLIST. Price is for a single disk but a group pack of eight disks for $128.00 is also available. Contact manufacturer about obtaining personalized editions for individual student operation.

Product Name: Spin and Spell

Vendor: Access Unlimited

Computer: Apple II Family

Cost: $45.00

Spin and Spell is a large print spelling program. The program presents the student with scrambled words in large type (1/4" or about 18-point). The student must try to unscramble the words. The student cannot enter the word spelled incorrectly, and is given chances until it is spelled correctly. Correct guesses show up in sequence until the spelled word is complete. Sound effect prompts and musical sequences are used for cues and reinforcement. Options include: storing word lists, teacher's security feature, and record keeping.

An Echo speech synthesizer (extra) is required to use Spin and Spell.

Product Name: Study Buddy

Vendor: Access Unlimited

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Study Buddy is an educational study program that allows the user to enter words followed by a definition or concept description. Up to 50 words may be entered, for presentation in interactive tutorial fashion utilizing voice output. The user enters the word, then is prompted to type the meaning, with review and repeat options.

An Echo speech synthesizer is required for voice output option.

Product Name: Talking Public Domain Disks

Vendor: FDLRS/South Enabling Technologies Lab

Computer: Apple IIGS, Apple IIe

Manual Form: Electronic Manual

Cost: Free

Sets of public domain software are available on disk with voice output, from the Florida Diagnostic and Learning Resource System/South (FDLRS/South). The programs were selected and adapted so that synthesized voice output would provide all the information that the screen provides, so that they could be used by visually impaired students. The disks contain primarily educational programs. There are currently 26 disks available with programs on both sides. There is a disk of Morse code programs for amateur radio, a DOS utilities disk, six disks on math, fourteen disks on language arts, four on social studies, two with musical selections, one with a typing drill program, and seven with educational games. There are also disks with High School subject matter: seven on computer science, four on general science and physics, two on math, and seven on industrial arts. The rest of the disks are PRODOS programs related to word processing.

A speech synthesizer is required to use the programs with voice output. While there is no cost for the programs, two blank diskettes must be sent to FDLRS/South.

Product Name: Talking Riddles

Vendor: Cross Educational Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $24.95

Talking Riddles is a spelling and educational practice program with voice output. One game format presents 120 riddles in hangman format where the user must guess the answer by typing letters. Another format has 91 sayings to be guessed from short spoken clues. A third format contains 112 adjectives and 112 similes, for users to match a noun to fit a simile.

An Echo II speech synthesizer is required for voice output.

Product Name: Voice Math

Vendor: Chatterbox Voice Learning Systems

Computer: Apple II+, Apple IIGS

Manual Form: Printed Manual

Cost: $295.00

Voice Math uses voice input and voice output to improve math skills. Math skills covered include numbers, time, dates and shapes. During training items are presented both on the screen and by the speech synthesizer. The student repeats the items to train the voice recognition unit in how the student says them. After training, items are presented on the screen and the child responds verbally. If the student is incorrect, the correct response is spoken by the speech synthesizer. The student then gets two more opportunities to answer.

Voice Math will not work with the Apple IIc. The program includes the software and a Sony headset/microphone. The Echo speech synthesizer and the Introvoice input module must be purchased separately.

Product Name: Voice Reading Ability Drill

Vendor: Chatterbox Voice Learning Systems

Computer: Apple II+, Apple IIGS

Manual Form: Printed Manual

Cost: $295.00

The Voice Reading Ability Drill uses voice input and voice output to improve reading skills. During training, each word is presented as an illustration, in printed form, and spoken by the speech synthesizer. The student repeats the word to train the voice recognition component in the way that student says it. After training, each word is printed on the screen. If the student reads it aloud accurately, the illustration is presented along with a tune. If not, the correct word is spoken by the speech synthesizer. The student then gets two more opportunities to read the word.

The program includes 15 disk sides, headset/microphone and complete documentation. Approximately 800 words are organized into 4 levels: 120 short vowel words, 120 short vowel/consonant blend words, 120 long vowel and vowel blend words, and 200 sight words. The program will not run on the Apple IIc. Echo II speech synthesizer and Introvoice input module are required but not included.

Product Name: Wordplay with Alps and Droops

Vendor: Optimal-Ed Learning Materials

Computer: Apple II Family

Manual Form: Electronic Manual, Printed Manual

Cost: $75.95

Wordplay with Alps and Droops is an educational program in game format, designed to teach basic reading and spelling skills to dyslexic students. The student becomes a Wordseeker in Wordland, aided by Alps and thwarted by Droops. The games concentrate on three different skill areas: Reading Comprehension, Phonic Analysis, and Spelling. Seventeen different levels of play are possible, each concentrating on a different group of phonic patterns. These levels are arranged in developmental learning order. One to four players can play at a time.

Product Name: Write

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

Write is a program that displays up to twenty words or phrases in large type on the screen. The user is prompted to copy the word letter by letter at the top of the screen. Sentences build up at the bottom. The user may also write words without copying, and new words may be entered into the available list on the spot. Sentences constructed may then be printed or spoken through a voice synthesizer. Write also allows the user to match letter by letter. Words may be spoken letter by letter, a word at a time, or a sentence at a time. Write features an automatic shift and audible feedback when a key is pressed.

Product Name: Write This Way

Vendor: Edmark Corporation

Computer: Apple II Family, Apple Macintosh Family

Cost: $195.00

Write This Way is a word processing program designed to recognize the specific language problems experienced by learning disabled and hearing impaired students. The program determines whether the student has entered any spelling or grammatical error and can indicate errors as the student works or in a later edit. The dictionary includes more than 50,000 words and words can be added. Teacher options allow the program to be individualized for specific needs. A teacher's guide is included.

Product Name: Zero to Five

Vendor: Educational Technology International

Computer: Apple IIGS, Apple IIe, Commodore 64, IBM PC Family

Cost: $1,750.00 - $2,750.00

Zero to Five (also known as "Project LIght") is a series of computer programs on interactive laser discs for developing pre-reading skills, vocabulary, grammar principles, and basic sentence structure. The software consists of CDs for CD-ROM use and two interactive video discs. A laser disc player (extra) and controller (included) are required.

Three packages are available. Package 1 ($1,750.00) contains the Pre-Reading Series, consisting of Perceptual Training (which provides drills in visual perception skills) and Perceptual Thinking (which teaches a variety of thought tasks). Package 1 also contains Level I and II of the Language/Reading series, which provide training in basic language and reading skills. Package 2 ($1,750.00) contains Levels III, IV, and V which provide drills in advanced verb and question forms and parts of speech, as well as basic reading materials and the Social Studies Series covering basic U.S. geography and natural resources. Package 3 ($2,750.00) contains all the lessons in both Package 1 and 2. All programs contain diagnostic placement pre- and post-tests. Contact manufacturer for details about a hardware package.

Chapter 21

Personal Tool and Aid Software

This chapter contains software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthesis. This includes programs which facilitate an individual's ability to write, draw, read, move about, and perform other daily functions. Software designed specifically to allow disabled computer users to access other software is included in Chapters 11, 12, 14, 15, and 16. Software designed primarily for communication or for environmental control is now listed in Chapter 5 and Chapter 9 respectively. Some examples of programs found in this chapter are: word processing programs with large print, software that provides features to accelerate typing, programs designed to prevent Repetitive Stress Injuries (RSI), drawing programs utilizing special input devices, computer based calculators, and braille translation and formatting programs.

Many of the programs in this chapter are also cross-listed by function in Index 1. Related functions include: Large Print (LP), Braille (BR), Word Processing (WP), Calculation (CN), Drawing (DR), Typing Acceleration (TA), and RSI Prevention (RS).

Appendices A and B contain information summaries on a variety of topics, including: Software Resources; Networks, Bulletin Boards and Databases; and Newsletters and Journals.

The following product entries appear in this chapter:

APH Scientific Calculator: for Apple II Computers, *737*
Atlas Speaks, *737*
Auto Braille, *738*
B-Edit, *738*
BEX 3.1, *739*
BIG for 1-2-3, *739*
BIG for WordPerfect, *740*
Big:Calc, *740*
Biggy, *741*
BlissWrite, *741*
Braille-Talk, *742*
Braille-Term Program, *742*
Calc-Talk, *743*
Calcworthy, *743*
Checkbook Program, *744*
CINTEX I, *744*
Co:Writer, *745*
Duxbury Braille Board for Microsoft Windows, *745*
Duxbury Braille Font, *746*
Duxbury Braille Translator (DBT), *746*
Duxbury Braille Translator for WordPerfect (DUXWP), *747*
Easy-Braille Translator, *747*
Edgar, *748*
Electric Crayon and Electric Crayon Deluxe, *748*
ETgraphX, *749*
ExerciseBreak, *749*
Eye Relief, *750*
File-Talk, *750*
Finish Line, *751*
FormMate, *751*
Freedom Writer, *752*
H:I Handicapped Word Games, *752*
I Can Play, Too!, *753*
IBM-VBII, *753*
Keysoft, *754*
Keyterm, *754*
Large Print Word Processors, *755*
Letter Art with Braille Translator, *755*
Mac-Apple Communications Aid, *756*
Magic Slate II, *756*
Me Too!, *757*
MegaDots, *757*
MicroBraille 2, *758*
MicroIllustrator, *758*
Minspeak Application Programs (MAP), *759*
Multi-Line Dial-A-News System, *759*
NAMES, *760*
Noteworthy, *760*
PC Braille, *761*
Picture Braille, *761*
Picture Perfect, *762*
PowerPad Toolkit 4, *762*
Predict It, *763*
RAPIDTEXT, *763*
SeeBEEP, *764*
Strider, *764*
Talking Data Acquisition System Software, *765*
Talking Sensible Speller, *765*
Talking Utilities for DOS 3.3, *766*
Talking Writer & Four Games, *766*
TeleDesk Visually Impaired Operator Console, *767*
Telepathic II, *767*
Term-Talk, *768*
TextGrabber, *768*
Trace Math Aid, *769*
TurboBraille, *769*
TypeIt4Me, *770*
VersaBraille Electric Webster, *770*
VisAbility, *771*
WinDOTS, *771*
Wish Writer, *772*
WiVox, *772*
Word-Talk, *773*
Work-Station Pro, *773*
Write:OutLoud, *774*
WriteAway, *774*

The following products from other chapters can also be used as a Personal Tool or Aid:

Audible Cursor Routine, *121*
Braille 'n Speak Classic, *469*
CINTEX2, *271*
David, *471*
Governor (2464), *547*
HomeAccess, *283*
IntelliTalk, *137*
Language Master Special Edition - LM6000SE, *477*
Lingraphica, *139*
Motor Training Games, *638*
Phone Manager, *288*
SenSei System, *295*
Synergy Integrated Remote, *298*
Talking Screen, *156*
Talking Screen for Windows, *157*
TEAM, *299*

Product Name: APH Scientific Calculator: for Apple II Computers

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $36.00

APH Scientific Calculator: for Apple II Computers is software program with speech output that can do simple numerical calculations and performs many types of numerical algorithms. The main features are: a complex number mode and a real mode, ability to numerical integrations including complex line integrals, programmable capabilities, either degree or radian measure, redefinable keys, plotting functions including polar and parametric equations, and others.

The program is on a 5.25" disk. An Echo or a Slotbuster synthesizer is required.

Product Name: Atlas Speaks

Vendor: Arkenstone, Inc.

Computer: IBM PC AT

Cost: Contact manufacturer

Atlas Speaks gives the user access to geographical information using a PC or laptop. The directions can be directly saved to a Braille 'n Speak, printed on a Braille printer, or entered into a tape recorder. Small to large cities feature high performance geocoding, vector-based geographic features and attributes, up-to-date highways and roads, and road network classification and accurate zip codes. Major metro areas have those features plus parks and bodies of water. Rural areas feature only TIGER '92 Census data addresses, roads, and accurate ZIP codes. Atlas Speaks also accomodates information of personal interest to the user such as bus stops, friends' homes, shopping areas, etc.

Atlas Speaks requires a 386 minimum computer with 4 MB of RAM, MS-DOS 5.X - 6.X, a VGA monitor, and Microsoft Windows. A CD-ROM drive is strongly suggested. Most speech synthesizers, personal data devices, and braille displays are supported. See also entry for Strider.

Product Name: Auto Braille

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $95.00

Auto Braille is a memory-resident version of TurboBraille (see entry). Auto Braille will intercept program output sent to the printer device (usually the parallel port LPT1) and translate it into Grade II, Grade I, or computer Braille. The program uses the same translation table and dot commands as those used by TurboBraille.

Auto Braille occupies approximately 48K of conventional memory.

Product Name: B-Edit

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

B-Edit is a word processing program with character sizes that can be adjusted for all output, including help and error messages. The characters range from normal text size to large block characters that each take up four standard rows and eight standard columns. When run on video cards and monitors that support graphics, additional display sizes can be supported. B-Edit includes basic editing functions, a spelling checker with a 60,000 word dictionary, abbreviation/expansion capability, and it also supports 50 WordStar text editing commands.

B-Edit can be used on IBM-PC table and laptop models, and is available as shareware for $39.00. Included with B-Edit are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' programs.

Product Name: BEX 3.1

Vendor: Raised Dot Computing

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Braille/Tactile Manual, Large Print Manual

Cost: $450.00

BEX is a word processor that can create large print, braille, or synthesized speech output. Large print can appear on the screen or compatible dot-matrix printers. BEX can translate standard print files to grade 2 braille, or back-translate grade 2 braille files to print. Special symbols, called translators, can be typed into the files to determine whether grade 2 or grade 1 braille is produced. Word processing functions include editing, reviewing, changing, page numbering, creating running heads, and setting margins and tabs. Three preview modes create an exact image of the printed or embossed page for visual and voice review. Cursor control allows for movement by character, word, sentence, or paragraph, with or without speech output. BEX can be learned at three levels of complexity. The program directly reads DOS 3.3 and ProDOS text files, and can import text from other computers or scanners; contact manufacturer for further information.

An Apple IIe, IIc, or IIGS computer with a minimum of 128K is required. Contact manufacturer for details on compatibility with braille output devices, printers, and speech synthesis hardware. A family of add-ons is also available: ClasX, MathematiX, TranscriBEX, and pixCELLS.

Product Name: BIG for 1-2-3

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual, Large Print Manual

Cost: $39.00

BIG for 1-2-3 is a memory-resident, display-enlarging software program designed specifically to work with (but not to replace) the Lotus 1-2-3 spreadsheet program. BIG is only activated when 1-2-3 is running; the program then enlarges differing parts of the 1-2-3 display, depending on the state of the spreadsheet. For example, when 1-2-3 displays an error message, BIG automatically enlarges the bottom line of the screen, and when the user selects a 1-2-3 menu BIG enlarges the menu choices and descriptions displayed on lines 2 and 3 of the screen.

BIG requires that the 1-2-3 display screen be divided into two horizontal windows, the second of which is reserved for the BIG display. BIG works with all text mode versions of 1-2-3; with version 3.0, text mode drivers must be used, and Perspective Windows cannot be invoked. Included with BIG are six large-character utility programs: B-Type, B-Print, and B-Dir, which provide large-character replacements for the DOS Type, Print, and Dir commands, respectively; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' programs.

Product Name: BIG for WordPerfect

Vendor: Hexagon Products

Computer: IBM PC Family

Manual Form: Electronic Manual,
Large Print Manual

Cost: $39.00

BIG for WordPerfect is a memory-resident, display-enlarging software program designed to work with WordPerfect versions 5.0 and 5.1 and LetterPerfect 1.0. The BIG program enlarges different parts of the screen depending on the state of WordPerfect. For example, during text input BIG enlarges WordPerfect's bottom line status and the area around the cursor; during spell checking, BIG shows the misspelled word and the replacement choices.

Included with BIG are several other large-character utility programs: B-Type, B-Dir, and B-Print, which provide large-character replacements for DOS commands; B-Look, a text file browser; and B-Font and B-Apply, which can be used to reshape the characters used in Hexagon Products' programs. A color or Hercules monochrome graphics display is required.

Product Name: Big:Calc

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $29.00

Big:Calc is a Macintosh calculator program designed especially for people with learning, visual, and physical disabilities. Features include: large number keys, high-quality speech, and built-in scanning. Key and background colors and calculator layout can be changed.

Product Name: Biggy

Vendor: R.J. Cooper & Associates

Computer: Apple Macintosh Family

Cost: $29.00

Biggy is a software program that provides four large size cursors that work with any program.

Product Name: BlissWrite

Vendor: Blissymbolics Communication International

Computer: Apple Macintosh Family, IBM PC Family

Cost: $100.00

BlissWrite is a composing and editing program designed for the Blissymbol user. BlissWrite works in Blissymbol alone, in print alone, or in both Blissymbol and print together. The program can also translate back and forth between Blissymbol and print. The manufacturer is currently developing a telecommunications program called BlissNet which will incorporate BlissWrite; for more information contact Andrew McNamara at BCI.

Four versions are available. One version works with Windows 3.1 or higher and the regular keyboard and mouse. Version two works with Windows 3.1 and WiVik (see entry) for users who need adaptive access software. Both Microsoft Windows versions require a minimum 386 processor and a VGA monitor. Version three works with the Macintosh computer system 6.01 or higher and the regular keyboard and mouse. Version four works with the Macintosh computer system 6.01 or higher and Ke:nx (see entry) for those who need adaptive access software.

Product Name: Braille-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe, IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

Braille-Talk is a Grade One or Two Braille translator program with voice output. Braille-Talk allows standard text to be translated into Braille for embossing. No prior knowledge of text-to-Braille translation is necessary to operate Braille-Talk. Information displayed on the screen is simultaneously spoken as each key is typed. Speech output may be momentarily silenced or turned off entirely at any time.

Braille-Talk supports a variety of Braille printers as well as most commercially available speech synthesizers.

Product Name: Braille-Term Program

Vendor: Blazie Engineering

Cost: $80.00

The Braille-Term Program allows Braille 'n Speak and Type 'n Speak to be used for on-line communications via modem. Braille-Term allows the user to communicate with a modem to dial phone numbers. Other program features include a 50 entry dialing directory, auto-dial to redial a number until the line becomes free, efficient data transmission, session logging that allows the user to automatically save messages from on-line services into a separate log file, and easy to use set-up menu and help file.

Product Name: Calc-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $95.00

Calc-Talk is a voice output program that changes the standard Apple keyboard into a 24 function calculator with ten memories. In addition to voice output, Calc-Talk displays characters that are nearly an inch high, for visually impaired users. Scientific functions included are trigonometric, logarithms, exponents, and roots. All entries, functions and answers are spoken.

Calc-Talk supports most commercially available voice synthesizers.

Product Name: Calcworthy

Vendor: GW Micro

Computer: IBM PC Family

Cost: $49.00

Calcworthy is a pop-up calculator program with addition, subtraction, multiplication, division, times/minus, and percent functions. Other features include printing, ticker-tape review of the previous 50 entries, immediate export of the current display to application, and memory capabilities.

Calcworthy is compatible with all major screen reading programs but designed specifically for Vocal-Eyes. Other system requirements are 128K RAM and one 5-1/4" or 3-1/2" disk drive.

Product Name: Checkbook Program

Vendor: Blazie Engineering

Cost: $99.00

The Checkbook Program allows the user to maintain an accurate electronic checkbook register of all entries for multiple accounts through Braille 'n Speak, Braille Lite, or Type 'n Speak (see entries). Entries include checks written, miscellaneous fees, accrued interest, and ATM withdrawals. The program can print checks or use the user's own bank checks. Statements may be printed, spoken, or saved in a file. An overdrawn-account warning is also included.

Product Name: CINTEX I

Vendor: NanoPac, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual, Videotape Manual

Cost: $1,290.00 - $2,285.00

CINTEX I is a multi-function ECU software package designed for use with one or more switches (eyebrow, eyewink, sip and puff, etc.), joystick, selectable keys on a keyboard, or a full keyboard. The basic software contains word processing (with letter prediction as well as word prediction, and "built-in sticky key" features; the word prediction is able to "learn" the words that are used most frequently), environmental control, infrared control (TV's, VCR's, stereos, CD players and satellite dishes), rudimentary music composition, calculator, notepad, and telephone (answer, dial, disconnect, flash) capabilities.

The base price of $1,290.00 includes software, speaker phone, ECU controller, manual, and technical support. CINTEX I requires 640K of memory and a game port if switch input is being used. Most commercially available speech synthesizers can be used for speech output. Contact manufacturer for information on other current and planned options for use with CINTEX.

Product Name: Co:Writer

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $290.00

Co:Writer is a software program which predicts words for the user. As a person types, this program offers the choice of up to ten words at once as selections for the next word to be typed. To use one of the "predicted" choices, the user simply selects the desired word and that word is automatically inserted into the user's text. This prediction program uses a built-in dictionary and a personalized vocabularly created by the user's word choices.

Co:Writer can be used with any Macintosh program that accepts text entry. 8MB RAM is recommended.

Product Name: Duxbury Braille Board for Microsoft Windows

Vendor: Duxbury Systems, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $295.00

The Duxbury Braille Board for Microsoft Windows produces ADA braille compliant signs (English only). The program is a stand-alone application that can create grade 2 braille and emboss it on a commercial embossing device. When combined with the Duxbury Braille Font (see entry), the Braille Board can create layouts in applications such as CASmate, CorelDRAW, FlexiSIGN, Graphix Advantage, PageMaker, and SignLab.

System requirements include: 286, 386, 486, Pentium or better CPU; 2MB RAM, 1MB available hard drive space; Microsoft Windows.

Product Name: Duxbury Braille Font

Vendor: Duxbury Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Cost: $99.00

Duxbury Braille Font is available on the Apple Macintosh or IBM computer running Microsoft Windows. The font allows the 6-dot braille cell to be printed on any laser printer that handles TrueType or Adobe Type 1 fonts.

Product Name: Duxbury Braille Translator (DBT)

Vendor: Duxbury Systems, Inc.

Computer: Apple Macintosh Family, IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $495.00 - $2,475.00

The Duxbury Braille Translator (DBT) is a software package for biderectional print to braille conversion and editing. The software is availabe on DOS, Microsoft Windows, and Macintosh platforms. Major features include: editing multiple files of unlimited size, grade 1 or 2 American, British, French and Spanish languages, Computer Braille Code (CBC), six-key chording, ASCII/WordPerfect/SGML imports, access to external file format conversion, graphical dots-on-screen or ASCII equivalents, nestable styles and/or direct coding, and a translated line for learning braille. DBT includes the Duxbury Braille Font (see entry).

System requirements for DOS include: 286, 386, 486, Pentium or better CPU; 640K RAM; 4MB available hard drive space; and DOS 3.3 or higher. System requirements for Windows include: 386, 486, Pentium or better CPU; 4MB RAM; 4MB available hard drive space; and Microsoft Windows. System requirements for Macintosh include: Macintosh Plus or newer (including the Power Mac); 1MB RAM or 2MB RAM with System 7 or later; System 6.0.8 or later; and a suitable keyboard if six-key chording is desired. Contact manufacturer for further information.

Product Name: Duxbury Braille Translator for WordPerfect (DUXWP)

Vendor: Duxbury Systems, Inc.

Computer: IBM PC Family

Cost: $295.00

DUXWP is a scaled down version of Duxbury Braille Translator for DOS (see entry). The program translates WordPerfect files into formatted grade 1 or 2 braille. The program can be used with WordPerfect versions 5.0, 5.1, 5.1+, and 6.0 for DOS, as well as WordPerfect 5.1, 5.2, 6.0, and 6.1 for Microsoft Windows. Supported WordPerfect codes include tab, indent, center, bold, italic, underline, running header, block protect, table of contents, foreign language, font change, date code, special characters, and many more.

System requirements include: IBM PC, XT, 286, 386, 486, Pentium or better CPU; 640KB RAM, 2MB available hard drive space; MS-DOS version 3.3 or higher.

Product Name: Easy-Braille Translator

Vendor: Blazie Engineering

Cost: $99.00

Easy-Braille Translator is a program that translates any ASCII text file into formatted Grade 2 Braille for use with Braille 'n Speak, Braille Lite, or Type 'n Speak. Easy-Braille is designed to be simple to operate and allows for word exceptions.

Product Name: Edgar

Vendor: Duxbury Systems, Inc.

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $195.00

The Duxbury Braille Editor (Edgar) allows blind or sighted transcribers to compose and edit Braille files. Braille can be edited by using six of the home-row keys as if they were the keys of a Perkins Brailler. Editing can also be done using Edgar's bidirectional translation capabilities. The six-dot Braille cells are graphically represented on the screen. Additional features include: multiple file editing, no practical limit on file size, and page formatting capabilities. The program also allows ASCII characters to appear on the computer screen so that a screen reader can read the document.

A CGA, EGA, Hercules, or VGA graphics card is required. Contact manufacturer for information on site licenses.

Product Name: Electric Crayon and Electric Crayon Deluxe

Vendor: Merit Studios

Computer: Apple IIGS, Apple IIc, Apple IIe, Commodore 64, IBM PC Family

Manual Form: Printed Manual

Cost: $9.95

Electric Crayon is a program that provides line drawings on the computer screen which can be colored. The program can be controlled by the keyboard, a joystick or a mouse. The user directs a crayon-shaped pointer to a set of colors on the screen. The desired color is selected, and the "crayon" turns to that color. The user then moves to the line drawing on the screen, directs the "crayon" to the desired area, and presses a button or key. That area of the drawing changes to the appropriate color. Finished pictures can be printed on a color printer or the line drawings can be printed on a black-and-white printer and colored by hand; contact manufacturer about printer compatibility. Drawings can be printed as calendars.

The titles currently available are: ABCs, Fun on the Farm, and This Land is Your Land, Holidays and Seasons, Dinosaurs are Forever, and "Teenage Mutant Ninja Turtles". Electric Crayon Deluxe, for which the titles Dinosaurs are Forever, At the Zoo, "Teenage Mutant Ninja Turtles," and Holidays and Seasons are available, can print with just the description of the drawing colored, is able to print banners, and includes four-color stickers. 3.5" inch disks are $12.95 each, 5.25" disks are $14.95.

Product Name: ETgraphX

Vendor: Blazie Engineering

Cost: $249.00

ETgraphX is a software program that converts conventional images on the PC into tactile braille graphics. The program saves and converts images from conventional drawing programs such as PC Paintbrush IV and works with scanned images.

ETgraphX can operate with any MS-DOS 2.0 or higher computer with a CGA, EGA, or VGA graphics adapter. Converted images are in a format compatible with the Braille Blazer and many other embossers.

Product Name: ExerciseBreak

Vendor: Hopkins Technology, LLC

Computer: Apple Macintosh Family, IBM PC Family

Cost: $29.95 - $39.95

ExerciseBreak is a software program designed to reduce stress, increase productivity, prevent fatigue, improve circulation, and avoid repetitive-motion injury for personal computer users. The program lets the user design a custom, on-line exercise program by scheduling regular breaks and selecting from more than 50 routines to stretch specific muscle groups. More than 70 anatomical illustrations demonstrate proper stretching techniques to assure that the exercise is beneficial.

The IBM version is available for use with DOS or Microsoft Windows and sells for $29.95. The Macintosh version sells for $39.95.

Product Name: Eye Relief

Vendor: SkiSoft Publishing Corporation

Computer: IBM PC Family

Manual Form: Large Print Manual

Cost: $295.00

Eye Relief is a stand-alone word processing software program designed to be used by people with low vision. The word processing features can produce screen fonts at magnification levels from one to five times standard size, producing letters up to 1.4" in height. Word processing features include Insert, Delete, Cut, Paste, Copy, Find, and Replace. The software produces standard ASCII text files which can be loaded into other word processing packages. The program can be used to print documents with headers, footers, and page numbers in standard type on any printer, or in 18 point type on Laserjet or Postscript laser printers. Text is always shown on screen with word wrap, regardless of type size; no horizontal scrolling is required. The user can specify any number of pixels between adjacent letters and can control vertical spacing between lines.

Eye Relief cannot be used to provide magnification for other software packages. The program runs on IBM computers with 512K of RAM and a CGA, EGA, VGA, MCGA, or Hercules graphics card.

Product Name: File-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual,
Electronic Manual, Large Print Manual

Cost: $195.00

File-Talk is a voice output database management program which allows creation of files, searches, sorts, and other database functions instantaneously. Records can contain 250 fields, with 3K of information, and can be sorted any time. Other features include on-screen arithmetic computations, auto modem dialing, date and time fields display, and printing of mailing labels, custom letters, and lists.

A speech synthesizer is required for voice output, and the program is compatible with most printers; contact manufacturer for details.

Product Name: Finish Line

Vendor: Innovative Designs, Inc.

Computer: IBM-PC XT, IBM PC AT,
IBM PC Family, IBM PS/2 Family

Manual Form: Printed Manual

Cost: $49.00 - $59.00

Finish Line is a software program which can predict words for the user during text entry. Once the program learns the user's frequently typed words and phrases, then word and phrase choices will appear in pop-up windows as the user enters text. To select a word from the list, the user presses the "hot-key" which corresponds to the chosen word, the word or phrase is then automatically inserted into text. The "hot-keys" are designated by the user and the symbols of these keys appear in the pop-up windows next to corresponding choices.

Finish Line is compatible with IBM computers. A variety of input devices can be used. Output devices such as computer compatible speech synthesizers and TDDs can also be used. The DOS version is $49.00 and a Microsoft Windows compatible version is $59.00.

Product Name: FormMate

Vendor: Henter-Joyce, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Manual Form: Audiotape Manual,
Electronic Manual, Printed Manual

Cost: $295.00

FormMate is a program that can be used to fill out preprinted forms on a computer. The program is prompt driven, one prompt or question per line, and the questions can be asked in any order, independent of the blanks on the form. Lotus 1-2-3-style menus are used. Selections are read and invoked by using the cursor pad keys or pressing the first letter of the desired choice. FormMate uses one information file to fill in all different related forms, keeping information about a single person or event in one place. Other features include data-type error checking on input, microspacing capability, independent print enhancement (underline, bold face, etc.), and continual availability of file names and descriptions, prompt and prompt help line, and current cell or field name.

FormMate works with most speech synthesizers and screen reading programs. Contact manufacturer for information on creation of custom forms.

Product Name: Freedom Writer

Vendor: World Communications

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $295.00

Freedom Writer is a word processing program that can be operated with input devices other than the standard keyboard. Five versions are available: a mouse version, a cursor keys version, a scanning version, a joystick version, and a light pen version. All five versions present an image of a keyboard on part of the computer screen. The mouse and cursor key versions present a pointer on the screen. The user moves the pointer to the desired "key" on the screen and pushes the mouse button or a key on the cursor keypad in order to activate that "key." In the light pen version, the user directs a light pen at the desired "key" on the screen in order to activate it. Whatever the user "types" on the screen keyboard appears on the rest of the screen as text. The user can edit, delete and move text, and check spelling against either of two dictionaries: one provided and one that the user creates containing custom vocabulary. Text can be printed on a compatible printer.

The price listed is for a single version of Freedom Writer, not including the input device.

Product Name: H:1 Handicapped Word Games

Vendor: E. David & Associates

Computer: Commodore 64, TRS-80 Color Computer

Manual Form: Printed Manual

Cost: $24.95

H:1 Handicapped Word Games is a variation of the games "hangman" and "scramble" made accessible to persons unable to accurately touch the computer keyboard. In this version, both the unknown word and definition are displayed, to practice both vocabulary and spelling skills. Vocabulary and definitions are user-specifiable.

Product Name: I Can Play, Too!

Vendor: Mayer-Johnson Company

Computer: Apple Macintosh Family

Cost: $89.00

I Can Play, Too! is a software program that allows users with communication needs to be included and use appropriate speech while playing games. Users can select things to say such as "You dirty rat", "Gotcha dude", "Your turn", and others. Seven different screens of saying correlate with the games Go Fish, Red Light/Green Light, Cootie, General Board Games, Checkers, Battleship, and Simon Says. The program features a child's human voice, animation, and a manual.

System requirements include a Macintosh Plus or higher, HyperCard 2.0 or higher, 2 MB of RAM, and a hard drive with 5 MB of disk space available. I Can Play, Too! can be used with the mouse, joystick, touch screen, alternate keyboard, Unicorn Board, IntelliKeys, Light Talker, Touch Talker, or switches. This software is not a computerized substitute for the games, but rather a communication aid to be used while playing the games.

Product Name: IBM-VBII

Vendor: Cornucopia Software

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $249.95

IBM-VBII software permits transfer of information between IBM PC compatible computers and VersaBraille II. After the IBM-VBII software is loaded onto a PC, VersaBraille files on disk can be loaded onto the PC and converted into MS DOS text files. IBM-VBII can also be used to convert MS DOS files into VersaBraille files; these files can then be copied onto a disk and loaded into VersaBraille II.

Product Name: Keysoft

Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $595.00

Keysoft is a voice output software package for information handling. The package is designed specifically for blind users, and does not require knowledge of DOS or screenreaders to operate. Keysoft consists of Keyword, Keyspell and Keyplus. Keyword is a full-function word processor with screen reading functions built-in. Keyspell is a spell checking program for Keyword documents. Keyplus is a calculator that can be used in simple four-function mode or with complete scientific functions.

A speech synthesizer is required to use Keysoft.

Product Name: Keyterm

Vendor: HumanWare, Inc.

Computer: IBM PC Family, IBM PS/2 Family

Cost: $295.00

Keyterm is a telecommunications program with voice output. Keyterm is designed for blind users. Voice output is integrated into the software, so no screen reading software is required. No knowledge of DOS is required. Keyterm provides modem control and other features to allow users to access on-line services such as computer bulletin board systems, terminal connections to mainframes, and electronic mail networks.

A speech synthesizer is required to use Keyterm.

Product Name: Large Print Word Processors

Vendor: National Institute for Rehabilitation Engineering

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $39.95 - $299.95

Large Print Word Processors function like ordinary word processors, except that as keys are pressed the characters that appear on the screen are larger.

Four programs are available. Magnifying Children's Word Processor ($39.95), with limited features, allows screen magnification either 2X or 4X. LV Publisher ($139.95; requires 512K of memory) can magnify letters up to 36 points; the letters will print out at the magnification level set. The program can also enlarge graphics such as boxes and circles. ER Large Display Word Processor ($299.95) and BE Large Display Word Processor ($99.95) provide up to 5X magnification. The size of the printed characters need not be the size of the onscreen characters. The Large Display Word Processor programs can import and export ASCII files for use with other word processors. All programs require CGA, EGA, or VGA graphics cards. A Spelling Checker is available for the ER Large Display Word Processor for $89.95; spell checking is included in the BE Large Display Word Processor.

Product Name: Letter Art with Braille Translator

Vendor: Symbol Graphics

Cost: $775.00

Letter Art creates professional, quality text, and graphics for materials ranging from business cards to billboard displays. With the optional Braille Translater, users can produce braille signs without any knowledge of braille. Signs can be combined with pictograms or English text. Letter Art supports all conventional engraving and polymer wash production methods.

Price is for the base package and Braille Translater. A package with 20 additional fonts is available for $1,275.00 and with 65 additional fonts for $1,705.00 (including Braille Translater). Various additional options and add-ons are available at extra cost.

Product Name: Mac-Apple Communications Aid

Vendor: Computers to Help People, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $50.00

The Mac-Apple Communication Aid is a communication and writing program that may be controlled by switches or an expanded, mini, or standard keyboard. The user may perform simple text editing and calculation functions with Mac-Apple, and compile stored words, phrases and sentences and select them later. Mac-Apple automatically places two spaces at the end of a sentence, and capitalizes the next word entered. Also included in Mac-Apple are several programs that may be used to train users in switch input, and word and number recognition.

This program runs on the Apple II computer, but does not function with the Macintosh computer, despite the name.

Product Name: Magic Slate II

Vendor: Sunburst Communications, Inc.

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $65.00 - $775.00

Magic Slate II is a word processing package with three levels of proficiency, each corresponding to a different character mode appearing on the screen and in printouts. The easiest level has large print characters in 20-column mode. The other two levels feature standard size characters in 40- or 80-column. Non-deletable text can be placed in files. Printing capabilities include near-letter quality, and multiple files can be printed from one disk. Magic Slate II has also been designed for use with a modem.

A 128K Apple is required to run Magic Slate II, and an Apple IIe with an 80-column card, a IIc, or a IIGS are required to run the 80-column level of the program. The 20-column, 40-column, and 80-column versions are available separately, with supporting Teacher's Guides, for $65.00 each; a 20-, 40-, or 80-column version for an Appleshare or Corvus network is $260.00; a version with all three levels for a single-user is $129.00; a three level version for a network is $516.00. Magic Slate may be updated to Magic Slate II at no charge.

Product Name: Me Too!

Vendor: William K. Bradford Publishing Company, Inc.

Computer: Apple IIGS, Apple IIe

Cost: $99.50

Me Too! is a software program that permits students to run standard story writing programs using an alternative keyboard, switches, touch screen, or other adaptive peripherals. Menus permit the user to set a configuration according to the device they are using. The configuration is then sent to the Adaptive Firmware Card (extra).

Two expanded keyboard overlays are included. An enhanced 128K Apple IIe or an Apple IIGS are required to run the program. A variety of story writing programs that will work with Me Too! are available from the manufacturer. The story programs on based on such subjects as science, folktales, and everyday skills; titles include: Explore a Story, Explore a Science, Explore a Folktale, and Explore a Classic.

Product Name: MegaDots

Vendor: Raised Dot Computing

Computer: IBM PC Family

Cost: $500.00

MegaDots is a word processing, braille translation, and large print program for the IBM computer that allows the user to produce ink or braille output from the same document. The program is a style-based word processor (the user assigns a style to a block of text and MegaDots handles all formatting commands). The program comes with predefined styles for items such as headings, items in a list, tables of contents and indexes. MegaDots can import files from several other programs (including Macintosh applications) and automatically applies styles, which can be changed, based on formatting commands used by the original program. Braille output can also be viewed on the screen as a dot pattern and documentation included with the program gives an overview of rules for producing proper braille documents.

MegaDots runs on IBM and compatible computers and supports most ink and braille printers. Contact Raised Dot Computing for more details.

Product Name: MicroBraille 2

Vendor: Micro Engineering

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $155.00

MicroBraille 2 is a braille word processing program designed specifically for sighted transcribers. The program supports level 2 braille, music braille, diagrams, graphs, foreign languages, Nemeth math code, and six key or full keyboard operation. Other features include: full page display, automatic headings and page number, word wrap to indented cell for block paragraphs, sample drawings of diagrams and graphs, and search and replace designed for braille. Files can be imported from Duxbury (see entry) or text and can be exported to braille embossers through serial or parallel ports. The program prints simulated braille dots and placement dots on most printers.

System requirements include an IBM compatible PC with at least 256K of RAM memory and one 5.25" or 3.5" floppy disk drive (a hard disk is not required), DOS version 2.1 or later, and graphic capability.

Product Name: MicroIllustrator

Vendor: Dunamis, Inc.

Computer: Apple II Family, Atari 400, Atari 800

Manual Form: Printed Manual

Cost: $69.95

MicroIllustrator is a graphics program that operates by simple touch commands. Users can create, revise, adapt, and combine pictures, designs, diagrams, colors, and textures. Designs can also be mixed, expanded or reduced. All drawings can be stored to disk and retrieved for later display or modification.

MicroIllustrator requires use of PowerPad (see entry); contact Dunamis for details.

Product Name: Minspeak Application Programs (MAP)

Vendor: Prentke Romich Company

Computer: Apple II Family,
Apple Macintosh Family, IBM PC Family,
IBM PS/2 Family

Cost: $355.00

Minspeak Application Programs (MAPs) are pre-stored vocabularies for specific client groups. MAPs are provided on computer disk, and are loaded from a computer into one of Prentke Romich Company's communication aids: the Liberator, Touch Talker or Light Talker. Written by experts in the field, MAPs satisfy overall needs of a target population, and are also customizable to meet an individual's specific needs.

There are currently seven different MAPs available for the Liberator, Touch Talker or Light Talker. One programs is also available for the IntroTalker (available in Touch Talker and Light Talker versions only). A Memory Transfer Interface cable (extra) is required to transfer MAPs from the computer to the communication aid. For Light Talker and Touch Talker, MAPs can also be purchased in the form of quick-load chips, for an additional $25.00 per set. Contact manufacturer for further information on the vocabulary content, cognitive levels and skills needed for each of the vocabulary programs.

Product Name: Multi-Line Dial-A-News System

Vendor: Phone TTY, Inc.

Computer: IBM PC AT

Cost: $750.00

The Multi-Line Dial-A-News System is bulletin board software for TDD users. The software can be used to provide information to TDD callers such as schedules and services provided lists. The Multi-Line System can hold up to 500 individual files. When a call is placed to the system the caller is given initial instructions, via the caller's TDD, explaining how to access available information. The caller is first given the current weather forecast and from that point can access other files either through typing a specific file name or by accessing a list. Command prompts and instructions can be accessed at any time.

The Multi-Line System is IBM compatible. The software requires a multi-line serial card, Phone TTY CM-4 modem, and Phone TTY TDDDM software.

Product Name: NAMES

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $95.00

NAMES is a program that can be used to store and print names, addresses, phone number, and "Tags" of identifying information. NAMES will display information to either a computer screen or a 8.5" x 11" sheet of labels. Each record is defined by a unique, variable length "Key" which is used for sorting data. The name, address, city, state, zip, home phone, work phone, and Tag fields are of fixed length. The user can load and save multiple lists, mark and unmark entries, and retrieve entries using Tags or Keys. Lists will accomodate 1,000+ entries.

NAMES can be used on most PC-compatible computers, and will work with most screen review programs and speech synthesizers.

Product Name: Noteworthy

Vendor: GW Micro

Computer: IBM PC Family

Cost: $69.00

Noteworthy is a voice interactive PC notetaker program designed for blind or visually impaired computer users. Noteworthy has a pop-up design that allows it to be activated from any other program. Complete editing tools such as delete and locate are included. Navigation commands allow the text to be read sentence-by-sentence or paragraph-by-paragraph, not by lines. Noteworthy can be set to allow 1,000 to 40,0000 characters.

Noteworthy has been designed specifically for the Vocal-Eyes screen reader but is compatible with all other major screen reading programs. Other system requirements are 128K, one 5-1/4" or 3-1/2" disk drive, and video screen.

Product Name: PC Braille

Vendor: Braille Research & Literacy, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $295.00

PC Braille software translates and formats documents created via text editors and word processors into grade 0, 1, or 2 braille. WordPerfect 5.1 and 6.0 are directly supported. Translated documents can be printed on a braille printer or sent to a refreshable braille display using standard DOS commands. The provided tables (contraction, exception, and dot pattern) may be customized by the user.

PC Braille comes in two forms: command driven and menu style. PC Braille is available for DOS, Microsoft Windows, Unix, and IBM RT PC. A demo disk is available for $10.

No Photograph Available

Product Name: Picture Braille

Vendor: American Printing House for the Blind (APH)

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Large Print Manual

Cost: $660.00

Picture Braille is a software and hardware system for producing tactile graphics. The system includes a hand-held image scanner, a computer mouse, and a software program. When combined with a braille embosser the system produces maps, line drawings, graphs, and other graphics. The software and scanner allow the user to import an image and then clean it up before embossing and also to create pictures using a drawing program or the mouse.

System requirements inlcude an expansion slot for the scanner and one of the following braille embossers: MountBatten Brailler or Braille Blazer, and embossers from Enabling Technology, Index, and TeleSensory.

Product Name: Picture Perfect

Vendor: Mind Play

Computer: Apple II Family, IBM PC Family, IBM PC jr

Manual Form: Printed Manual

Cost: $49.99

Picture Perfect is a drawing program designed for children. Drawings can be created by free-form drawing or by selecting any of 100 pre-drawn pictures, which can be added into existing compositions. The menu of options offered the user also includes the ability to select different types of rendering (line, shading, etc.). Input to the program can be via keyboard, joystick, or mouse, but a joystick or mouse is required for drawing.

Product Name: PowerPad Toolkit 4

Vendor: Dunamis, Inc.

Computer: Apple IIGS, Apple IIe

Manual Form: Printed Manual

Cost: $99.95

PowerPad ToolKit 4 is software designed to help the user create his or her own PowerPad setups. The program allows the user to define setups to include personal choices of graphics, speech, animation, text, and singing. Setup button sizes on the PowerPad can range from one to 144 buttons.

The ToolKit 4 runs on Apple IIe and IIGS computers. Speech synthesizer, PowerPad and Port, and printer are all extra.

Product Name: Predict It
Vendor: Don Johnston Incorporated
Computer: Apple IIGS, Apple IIe
Manual Form: Printed Manual
Cost: $95.00

Predict It is a word processor software program with predictive word capabilities. When the user types in the first letter of a word, a list of several words beginning with that letter appear at the bottom of the screen. If the desired word is in the list, the user types in the number corresponding to the correct word or positions the cursor at the correct word and presses the space bar. Access to punctuation and grammatically correct endings (-ing, -ed, -ly, etc.) is also provided. Predict It has standard word processor functions such as cut, copy, paste, move, delete, and save.

Predict It may be used with the Adaptive Firmware Card (extra; see entry).

Product Name: RAPIDTEXT
Vendor: RAPIDTEXT, Inc.
Computer: IBM PC Family
Manual Form: Printed Manual
Cost: $3,995.00

RAPIDTEXT is a software program that interprets information from a steno machine and translates it into text. In a lecture situation, such as a classroom, a stenographer would input what is being said into the steno machine. The information is then translated into English and sent to a computer screen on the desk of a deaf person. If the deaf person wishes to communicate, he may signal the stenographer and then begin typing from the computer keyboard; his message would be received and read by the stenographer. Names of individual speakers may be pre-programmed and recalled by the stenographer. RAPIDTEXT now offers full captioning services.

RAPIDTEXT requires use of a desktop or laptop IBM computer with at least 640K of memory and a 20 MB hard drive, WordPerfect word processing software (version 5.0 or higher), and a steno machine.

Product Name: SeeBEEP

Vendor: Microsystems Software Inc.

Computer: Grid, IBM PC Family, IBM PS/2 Family, ITT, NEC (some or all models), TRS-80 Model 100, TRS-80 Model 200, Tandy 1000, Toshiba Laptops

Manual Form: Printed Manual

Cost: $20.00

SeeBEEP is a memory resident utility program for PC users who are deaf or hard-of-hearing. Whenever the computer audibly beeps to indicate an error or for other reasons, SeeBEEP provides an additional visual indication. Two options are possible: the entire screen can flash and change color, or a visual "BEEP" can appear where the cursor is positioned. The flash time may be adjusted from 0.2 to 2 seconds. SeeBEEP can be turned on and off with pre-defined hot keys. The program works with DOS programs and with Microsoft Windows.

A shareware version that is not compatible with graphics mode is available on the manufacturer's bulletin board free of charge; contact manufacturer for further information.

Product Name: Strider

Vendor: Arkenstone, Inc.

Computer: IBM PC AT

Cost: Contact manufacturer

Strider is Atlas Speaks (see entry) loaded onto an IBM notebook or sub-notebook computer and bundled with a Global Positioning System (GPS) satellite receiver to continually monitor the user's current location. The GPS receiver is accurate to within 100 meters and an optional Differential GPS improves accuracy to within five to seven meters.

Product Name: Talking Data Acquisition System Software

Vendor: East Carolina University

Computer: IBM PC Family

Cost: Contact manufacturer

The Talking Data Acquisition System was designed to accomodate the needs of visually impaired chemistry students. The system consists of an IBM-compatible PC, the IBM Personal Science Laboratory, an electronic balance, and a digital multimeter (DMM) equipped with a serial port. The software runs under DOS and uses the Creative Labs Sound Blaster for speech and sound output. The system allows the blind student to make measurements of mass, temperature, pH, light intensity, AC and DC voltages and currents, resistance, frequency, and capacitance.

The system is not sold as a complete system. The user must purchase the separate components from their various vendors. David Lunney can provide information about what components are needed and will send out copies of the custom software used in the system. He also plans to make the software available through BBS's and the Internet.

Product Name: Talking Sensible Speller

Vendor: Scantron Quality Computers

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Printed Manual

Cost: $109.00

Talking Sensible Speller is a software program which enables visually impaired persons to hear text spelled, and features an 80,000 word dictionary from Random House. Options include: a tally of words in the document, a listing of all words, a listing of unique words and a listing of mispelled words (these may be sent to a printer). Misspelled words may be replaced in text individually or globally, and the program adds new words to the dictionary at the end of the run. TexTalker software (included) permits customization of speech output and provides a "Screen Review" option.

Talking Sensible Speller works with a variety of word processors. Owners of other versions of Talking Sensible Speller or non-speaking versions of Sensible Speller may receive a discount for trading in their disks; contact Sensible Software for details, and for information on obtaining the manual on audio tape.

Product Name: Talking Utilities for DOS 3.3

Vendor: American Printing House for the Blind (APH)

Computer: Apple II Family

Cost: $14.20

Talking Utilities for DOS 3.3 is a talking version of the Apple DOS 3.3 System Master with features added for speech synthesizer use. All of the programs included in the normal DOS 3.3 System Master are included and tied together in menus. Utilities for copying and deleting files, determining free space on a disk, verifying files, cataloging, and locking or unlocking files are also included. Two additional programs are included to make manipulation of files easier for speech output: Read Text Files which allows any text file to be spoken, and a menu choice called Use Speech which offers options to install Textalker (see entry) software onto other programs and to make a blank disk into a "talking disk."

A 5.25" disk drive and 64K RAM are required.

Product Name: Talking Writer & Four Games

Vendor: Cross Educational Software

Computer: Apple II Family

Manual Form: Printed Manual

Cost: $24.95

Talking Writer is a voice output word processing program. Letters or whole words may be spoken as they appear on the screen. Punctuation and backspaces are also spoken. Text may be printed out in characters double the normal size. Text can be entered, inserted, deleted, and edited. Also included on the disk are four games: Typing, Music, Space-Invaders, and Dragon Maze.

The Echo + is required to run Talking Writer.

Product Name: TeleDesk Visually Impaired Operator Console

Vendor: Conveyant Systems, Inc.

Cost: Contact manufacturer

The TeleDesk Visually Impaired Operator Console (VIOC) is designed to meet the requirements of telephone operators who are blind or visually impaired. The VIOC is an adaptation of the TeleDesk Attendant Workstation that augments screen-based visual text information with audible prompts using text-to-speech synthesis. The VIOC offers computer based call processing features such as: call arrival, call answer, calling number, call type, call reason, called party name, active lines, etc.

In addition to the components of the standard TeleDesk Attendant Workstation, the VIOC includes a speech synthesizer, screen reading software, text-to-audible response management software, and PC speech mixer card for handset or headset integration. An optional version of the VIOC provides magnified screen text.

Product Name: Telepathic II

Vendor: Madenta Communications, Inc.

Computer: Apple Macintosh Family

Cost: $295.00

Telepathic II is a software program with predictive word capabilities. When the user enters the initial letters of a word the program provides a list of seven likely word choices. The list appears at the bottom of the computer screen and does not interrupt the user. The word list may be used simply as a way of checking correct spelling or words may be chosen from the list and inserted into text. A word may be selected by selecting it numerically from the keypad or clicking on it with the mouse. The program has a standard built-in dictionary which can be modified; additional dictionaries can be created. Telepathic II also has an auto-punctuation feature which can insert spacing and capitalization after punctuation. Additional features include: speech synthesis, abreviation expansion, import, and export.

Product Name: Term-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual, Electronic Manual, Large Print Manual

Cost: $195.00

Term-Talk is a ProDOS talking terminal program for Apple computers. Term-Talk can be used to communicate with other computers, electronic bulletin boards, on-line databases, and mainframe computers with VT-100 terminal emulation. The program supports XMODEM, YMODEM, KERMIT, and ASCII file transfers. A dialing directory with automatic log-on macros, a built-in on-line editor, and auto answer and auto dial are also included. ProDOS and help utilities are built in.

A speech synthesizer must be purchased separately. Contact manufacturer for information on compatible synthesizers.

Product Name: TextGrabber

Vendor: SunBelt Industries, Inc.

Computer: IBM PC Family

Cost: $299.95

TextGrabber allows the user to create a word-for-word transcript of most television programs through a personal computer. The device accesses the closed caption information contained on a video signal, converts the information to standard ASCII, and then transfers it to a personal computer over the serial port. TextGrabber comes with application software for MS-DOS and Microsoft Windows and the data can be imported into other programs.

TextGrabber is compatible with any computer that supports a RS-232 interface and a standard terminal or communications program.

Product Name: Trace Math Aid

Vendor: Computers to Help People, Inc.

Computer: Apple II Family, IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $15.00 - $25.00

The Trace Math Aid is a program designed to assist students with physical disabilities in doing math exercises. The Math Aid does not generate math problems or correct them; it only acts as a worksheet area suited to single-finger or headstick typists. Special functions of Math Aid include on-screen borrowing and carrying operations. When finished working problems, the student may print them on a printer or save worksheets on disk for future reference. Worksheets may also be prepared in advance by a teacher or student.

The Apple version of the Trace Math Aid is $15.00; the IBM version is $25.00.

Product Name: TurboBraille

Vendor: Kansys, Inc.

Computer: IBM PC Family

Manual Form: Braille/Tactile Manual, Electronic Manual, Printed Manual

Cost: $295.00

TurboBraille is a Braille translation program that produces Grade I, Grade II, Grade III, or computer Braille from text files. The program handles formatted ASCII files, files created with WordPerfect or WordStar, or files produced in Braille Intermediate Format (BIF). BIF files, which allow for more precise formatting, can be produced by the program from text files in any of the other three formats; however, knowledge about Braille is required to use BIF files. The program features external rule tables for Braille translation and supports a variety of Braille printers. The program also supports inclusion of graphic files in Braille documents.

Product Name: TypeIt4Me

Vendor: Ettore, Riccardo

Computer: Apple Macintosh Family

Cost: $30.00

TypeIt4Me is a software program that provides abbreviation expansion for word processing and other applications on the Macintosh computer. The abbreviations are defined by the user and can be up to 25 characters long. The number of defined abbreviations is limited only by disk size.

The program is shareware and can be downloaded from on-line services such as Compuserve, ZiffNet, eWorld, America OnLine, AppleLink, and others, or from local shareware vendors.

Product Name: VersaBraille Electric Webster

Vendor: Cornucopia Software

Manual Form: Audiotape Manual

Cost: $299.95 - $399.95

VersaBraille Electric Webster is a spelling checker for VersaBraille II and II+ (see entry). The menu-driven program comes with a 50,000 word built-in dictionary to which the user may add words.

VersaBraille Electric Webster is $299.95 if purchased with VersaBraille II+, or $399.95 if purchased separately.

Product Name: VisAbility

Vendor: AI Squared

Computer: IBM PC Family

Manual Form: Electronic Manual, Printed Manual

Cost: $495.00

VisAbility is a low-vision reading and form-filling program. The program works in conjuction with a scanner to enlarge printed or handwritten material, from 4x to 32x, on the computer screen. Hands-free reading modes pan smoothly through the entire image or within columns. Printed forms can be scanned and filled-in, while being enlarged on the screen. The completed form can be printed at normal size or a magnified size up to 8x.

VisAbility software requires an IBM PC or compatible with VGA, 2 MB of RAM and a Hewlett-Packard compatible scanner. A mouse and Hewlett Packard or Postscript printer are recommended.

Product Name: WinDOTS

Vendor: ATR/JWA, Inc.

Computer: IBM PC Family

Cost: Contact manufacturer

WinDOTS is braille access software for Microsoft Windows. The program translates all elements needed for working with the Graphical User Interface into a format which may be presented on a braille display without changing the structure and layout of the origional Windows screen. WinDOTS was designed to be used in conjunction with the BRAILLEX-2D (see entry) but is compatible with other braille displays.

Product Name: Wish Writer

Vendor: Consultants for Communication Technology

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $300.00

Wish Writer is a word processing program designed to be accessed by either a single switch or the keyboard. The program puts an array of choices on the screen and the user selects by scanning through the choices with the switch. The user can type words one letter at a time or use word prediction lists to reduce the number of necessary keystrokes. Wish Writer integrates with the Handy Speech Communication Aide (see entry). A switch is not included. The text can be printed or spoken.

Product Name: WiVox

Vendor: Prentke Romich Company

Computer: IBM PC Family

Cost: $160.00

WiVox is a software product that is designed to enhance writing and reading by providing auditory feedback of text entered into any Microsoft Windows application. WiVox works with the standard keyboard, as well as with the WiVik series of on-screen keyboards, including KeyREP. The program can be set to speak characters, partial words, words, or sentences.

An external speech synthesizer is required.

Product Name: Word-Talk

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual,
Electronic Manual, Large Print Manual

Cost: $195.00

Word-Talk is a full-featured word processing program that offers synthesized speech output as well as screen display. Keys may be echoed as they are typed, or reviewed as letters, full words, lines, or complete screens. Entire documents may also be read from start to finish. Word-Talk uses the standard 80 column by 24 line display, and offers features such as cut and paste operations, simple insertions, re-formatting, block operations, search-and-replace operations, file merge, and import/export features. Speech may be momentarily silenced or turned off entirely at any time. Rate of speech may be set to any of three levels.

Word-Talk is compatible with most commercially available speech synthesizers as well as a variety of printers.

Product Name: Work-Station Pro

Vendor: GW Micro

Computer: Apple IIGS, Apple IIc, Apple IIe

Manual Form: Audiotape Manual,
Electronic Manual, Large Print Manual

Cost: $50.00

Work-Station Pro is a talking computer program that allows up to 12 ProDOS application programs to be linked together in a single system. When the ESC key is pressed during the running of any application, the Work-Station menu appears; any other application may then be selected without rebooting the computer.

Contact manufacturer for information on compatibility with speech synthesizers.

Product Name: Write:OutLoud

Vendor: Don Johnston Incorporated

Computer: Apple Macintosh Family

Cost: $99.00

Write:OutLoud is a talking word processor for the Macintosh computer. The program will "speak" words and sentences as the user types them in. Words and sentences may be selected to be read after they are typed and saved. The user can select sentences to be read one after the other, skip sentences, or have the whole document read. Buttons allow the user to advance the cursor sentence by sentence. Write:OutLoud types in color; the user picks the color for the screen background and the text color. Documents can be printed in color as well if the user has a color printer.

Product Name: WriteAway

Vendor: Institute on Applied Technology, Children's Hospital

Computer: IBM PC Family

Manual Form: Printed Manual

Cost: $199.00

WriteAway is a flexible word processor designed to enhance the writing capabilities of children and adults with special learning needs. Multiple access modes include the standard keyboard, accomodations for one-finger typists, and built in scanning arrays for single switch operation accomodate physically challenged individuals. Word prediction and abreviation expansion allow for effective communication and rate enhancement. Speech output and spell checking are also included.

A special switch adapter ($70.00) is required for single switch scanning. A site licence allowing unlimited use within an institution can be purchased for $725.00 and additional manuals are available for $17.50.

Appendix A

Information Resources

This appendix includes sources of information about a variety of topics relevant to the application of technology in special education, rehabilitation and augmentative communication. These listings include printed publications, electronic sources such as computer networks, and some organizations that provide primarily information. Most organizations are listed in Appendix B (Service Providers and Organizations). The information provided here is not evaluative and inclusion on any of the lists does not imply endorsement or recommendation. Files and page numbers of the resource lists appear on the next page.

Appendix A: Information Resources

A-1: Books and Pamphlets ... 777
A-2: Disability Resources on the Internet ... 781
A-3: Information Resources for Blind and Visually Impaired Individuals ... 782
A-4: Information Resources for Deaf and Hearing Impaired Individuals ... 786
A-5: Networks, Bulletin Boards and Databases ... 788
A-6: Newsletters and Journals ... 791
A-7: Selected Resources on Computers and Learning Disabilities ... 794
A-8: Software Resources ... 796

Books and Pamphlets

This resource list provides information on books and pamphlets of interest to disabled persons and those working with them. Particular emphasis has been put on resources that pertain to computer access for people with disabilities. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Adaptive Technologies for Learning and Work Environments
Joseph J. Lazzaro
The American Library Association
50 East Huron Street
Chicago, IL 60611
(312) 280-5108

Focuses on personal computers and the adaptive technology designed to assist persons with disabilities. Intended for individuals with visual, hearing, motor, and speech disabilities. Also helpful for friends, family, co-workers, human resource specialists, managers, supervisors, etc. Information included on compliance with the ADA.

Assistive Technology for Persons with Disablities: Occupational Therapy
William C. Mann, Ph.D., OTR and Joseph P. Lane, MBA, MPA
AOTA Products
4720 Montgomery Lane
P.O. Box 31220
Bethesda, MD 20824-1220
(800) SAY-AOTA (members only)
(301) 948-9626 (non-members)

Textbook that covers key areas of assistive technology - applications, services, resources, and advancements - and where to find devices and how to fund them. Designed for college classes on assistive technology and as a resource for occupational therapists and assistants.

Assistive Technology Sourcebook
Alexandra Enders and Marian Hall (editors)
1990
RESNA Press
RESNA
1700 N. Moore St. #1540
Arlington, VA 22209-1903
(703) 524-6686

Provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philsophies, and technical information on all major areas on assistive technology.

Breaking Barriers
Jackie Levin and Lynn Scherfenberg
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956
(800) 322-0956

An introduction to assistive technology for parents, teachers, and other service providers. Includes information about simple technology systems and how to use them during leisure, domestic, and vocational activities.

CD-ROM Advantage
D. Croft, D. Kendrick, and A. Gayzagian
1994
National Braille Press
88 St. Stephen Street
Boston, MA 02115
(617) 266-6160
(617) 437-0456 (FAX)

Answers commonly asked questions about CD-ROM technology and how it works with speech and Braille. Includes practical advice from users, profiles blind users of CD-ROM, and lists over 100 CD-ROM titles.

Communication Augmentation: A Casebook of Clinical Management
David R. Beukelman, Kathryn M. Yorkston, and Patricia A. Dowden
1985
Pro-Ed, Inc.
8700 Shoal Creek Blvd.
Austin, TX 78757

Augmentative communication practice discussed in terms of thirteen specific clinical examples. Additional information on needs assessment and intake for evaluation. 230 pp.

Communication Programming for Persons with Severe Handicaps
Carolyn Ramsey Musselwhite and Karen Waterman St. Louis
1988
Pro-Ed, Inc.
8700 Shoal Creek Blvd.
Austin, TX 78757

Covers a variety of issues in developing communication systems for people with vocal impairments, including the use of speech and non-vocal techniques. Includes an annotated bibliography and resource lists. 408 pp.

Computer Course Outlines
Charlson & Tavis
1994
The Carroll Center for the Blind
770 Centre Street
Newton, MA 02158

Course outlines for teaching computer applications in Word Perfect 5.1, Client Tracking System and Electronic Mail and outlines for teaching various speech, large print, and braille devices. Designed for knowledgeable instructors as a teaching guide.

Computer Resources for People with Disabilities
Alliance for Technology Access
1994
Special Needs Project
3463 State Street, #282
Santa Barbara, CA 93105
(800) 333-6867
(805) 333-2341 (FAX)

Addresses persons with disabilities and their family and friends. A basic guide which includes a list of resources providing familiarity and advanced computer skills.

Computers and Exceptional Individuals, 2nd Ed.
J.D. Lindsey
1993
Books on Special Children
P.O. Box 305
Congers, NY 10920
(914) 638-1236
(914) 638-0847 (FAX)

Discusses specific computer concepts in hardware and software with people with speech and language disorders, physical disablities, and gifted and talented. Also included are principles and procedures relative to implementing and evaluating applications in special education.

Computers and the Americans with Disabilities Act: A Manager's Guide
John A. McCormick
1994
Wincrest/McGraw Hill
13311 Monterey Lane
Blue Ridge Summit, PA 17294
(800) 233-1128

Provides lists of professional services for people with disabilities, special needs service organizations, government ADA compliance centers, and federal employment assistance programs.

Considerations 4.2: Results of the Industry/Gov't Cooperative Effort
G.C. Vanderheiden and C.C. Lee (coordinators)
1988
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966

Results of industry, government, researcher, and consumer cooperative effort to study the designs of computers and develop recommendations for modifications to make them more accessible. The focus of these considerations is the ability for disabled persons to use standard computers and standard software. These considerations are continually revised based upon the work of the committee. Anyone may participate by reviewing them and sending in comments.

Directory of Adaptive Technologies to Aid Libraries and Staff with Disabilities
D.A. Norlin, C. Gasque, C. Lewis, R. O'Donnell, and L. Webster
1994
American Library Association
Dearborn Financial Publishing
155 N. Wacker Drive
Chicago, IL 60606
(800) 545-2433
(312) 836-9958 (FAX)

Summarizes disability-related legislation, provides guidance for upgrading the work environment to comply with legislation, serves as a reference in identifying and selecting assistive devices, offers information about organizations providing support services, and identifies sources of funding for adaptive equipment and technology.

Directory of National Information Sources on Disabilities
National Rehabilitation Information Center (NARIC)
8455 Colesville Road
Suite 935
Silver Spring, MD 20910
(800) 346-2742
(301) 588-9284 (TDD)

Describes more than 950 resources. Listings describe disabilities served, users served, the organization, and information services provided. Printed in large type.

Dwarfs Don't Live in Doll Houses
Angela Muir Van Etten
1988
Adaptive Living
P.O. Box 60857
Rochester, NY 14608-1717
(716) 235-7270
(716) 458-5455

Autobiographical book dealing with issues facing dwarfs and other people with disabilities such as self-esteem, education, employment, male/female relationships, barriers, use of the media, fund-raising and advocacy.

Educational Software Preview Guide
1994-95
ISTE (International Society for Technology in Education)
1787 Agate Street
University of Oregon
Eugene, OR 97403-1923
(503) 346-4414

Lists over 500 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Extend Their Reach
1990
Electronic Industries Association
2500 Wilson Boulevard
Arlington, VA 22201
(703) 907-7600

Gives introduction to the types of products available to overcome impairments of sight, speech, hearing, motion, etc. Also provides information on how to find funding and producers of assistive devices, listing of companies, and resources for further information.

Fun for Everyone
Jackie Levin and Kathy Enselein
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956
(800) 322-0956

Describes how many leisure activities and commercially available toys, games, and appliances can be modified using a variety of simple tools. This book addresses goals in play and leisure, and discusses strategies for participation.

Integrating Computers into the Curriculum
Michael M. Behrmann
1988
Pro-Ed, Inc.
8700 Shoal Creek Blvd.
Austin, TX 78757

Provides an overview of computer applications in special education. Includes information on computer basics, adaptive devices and toys, software applications, and using computers in instruction.

Lifespace Access Profiles
W.B. Williams, G. Stemach, S. Wolfe, and C. Stanger
Lifespace Access
P.O. Box 2355
Sebastopol, CA 95473
(707) 829-9654

A tool to address the physical, cognitive, emotional, and support issues of individuals utilizing assistive technology. Asks team members to rate the individual on 59 scales and presents a graph at the end of the scales.

Living in the State of Stuck: How Technology Impacts the Lives of People with Disabilities
Marcia J. Scherer
1993
Brookline Books
P.O. Box 1047
Cambridge, MA 02238
(617) 868-0360
(617) 868-1772 (FAX)

Focuses on what role assistive technology can play in the lives of people who have recently become disabled and on people born with severe disabilities. The author seeks attention for the human dimensions of technology.

Resources the Disabled Can Use to Acquire and Fund Computers
Helen Hecker
1995
Twin Peaks Press
P.O. Box 129
Vancouver, WA 98666
(360) 694-2462
(360) 696-3210 (FAX)

Lists sources for grants, programs, services, technology-related assistance, where to purchase computers at discounts, and where to get information about companies that produce special computer-related products.

Selection and Use of Simple Technology in Home, School, Work, and Community Settings
Jackie Levin and Lynn Scherfenberg
AbleNet, Inc.
1081 Tenth Avenue SE
Minneapolis, MN 55414-1312
(612) 379-0956
(800) 322-0956

Provides a model for decision-making that can help parents and service providers link technology to the identified needs, capabilities, and interests of their children/students. Uses real case studies to explain the process and its outcomes.

Tax Options and Strategies for People with Disabilities
Steven B. Mendelsohn JD
1993
Demos Vermande
386 Park Avenue South, Suite 201
New York, NY 10016
(800) 532-8663
(212) 683-0072

Provides information for people with disabilities about various tax regulations, laws, and policies. Includes discussion on how to handle adaptive equipment purchases, etc. on personal taxes.

Technology and Persons with Disabilities
1985, 1986, 1988, 1990, 1993, 1994
Center on Disabilities
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330-8349
(818) 885-2869
(818) 885-2578

Contains papers based on the presentations at the CSUN conference held each year. Separate proceedings are published for each year.

The Complete Directory for People with Disabilities
1991
Gale Research
P.O. Box 33477
Detroit, MI 48232
(800) 877-GALE
(313) 961-6083 (FAX)

Biennielly published directory of 6,000 products, goods, services, and facilities for people with disabilities. Subjects include: assistive aids, residential and educational facilities, rehabilitation services, funding sources, job training programs, periodicals, etc. Each entry provides an address and phone number for further information.

Tools for Selecting Appropriate Learning Media
Caton
1994
American Printing House for the Blind
PO Box 6085
1839 Frankfort Avenue
Louisville, KY 40206-0085
(800) 223-1839

An extension of the book, Print and Braille Literacy. Designed to help parents, teachers, and administrators make decisions concerning students' use of braille, print, or both as their primary reading medium/media.

Trace ResourceBook
Borden, P., Lubich, J., & Vanderheiden, G.
1996-97
Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966
(608) 263-5408 (TDD)

This directory lists assistive technology products for communication, control, and computer access for people with disabilities. About 1,500 products are included. Each product entry includes a description, price, and photo (when available). Products are cross referenced by functions and features. Additional information resources are also listed. Approx. 900 pages.

Type With One Hand
South-Western Publishing Co.
5101 Madison Road
Cincinnati, OH 45227
(513) 271-8811
(513) 527-6194 (FAX)

Provides a new home row and drills for left or right handed typing.

Vendor Information Sheets
Consumer Information Department of Sensory Access Foundation
385 Sherman Avenue
Suite 2
Palo Alto, CA 94306
(415) 329-0430
(415) 323-1062 (FAX)

List vendor names, addresses, phone numbers, fax numbers, BBS's and prices for access products for people who are blind or low vision. Sheets available for: screen readers, speech synthesizers, computer magnification, closed circuit televisions, braille devices and software, reading machines, and others.

Virtual Reality and Persons with Disabilities
1992, 1993, 1994, 1995
Center on Disabilities
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330-8340
(818) 995-2578
(818) 885-2869

Contains papers based on the presentations at the conference on virtual reality and persons with disabilities held annually. Separte proceedings are published for each year.

Disability Resources on the Internet

The Internet is a wonderful resource for information of all types, including disability-related information. The biggest problem is that the Internet is so vast that it is difficult to find anything on it. A most useful resource, therefore, is a listing of pointers to the location of disability-related information on the net. Rather than giving you a list of pointers to places (a listing that will be out of date by the time you read this, since it changes daily), we thought we would give you a pointer to a location on the web where a list of the other disability-related resources on the Internet is being maintained:

http://www.webable.com

Currently, multiple pointers are provided under each of the following topic areas (and sub-areas):

Types of Internet Resources

Bulletin Board Systems (BBS)
CHAT (Conversational Hypertext Access Technology)
Databases
FTP sites
Listservs
Newsgroups
On-line newsletters
Telnet sites
World Wide Web (HTTP) sites

Topics Covered

ADA
Amputee
Associations and Organizations
Attention Deficit Disorder
Autism
Blindness
Carpal Tunnel
Cerebral Palsy
Computer Speech
Deaf and Blind
Deafness
Diabetes
Disabilities
Disability Research in the UK
DOSLynx
Education
Employment
General Disability Sites
Government
Journals
Legal
Low Vision
Mobility
Multiple Sclerosis
Orientation and Mobility
Product Solutions Providers
Research Centers and Projects
Schizophrenia
Sign Language
Speech
Stroke
Stuttering
Technology
Traumatic Brain Injury
Typing Injuries
Vendors
Virtual Reality

Information Resources for Blind and Visually Impaired Individuals

This list contains useful sources of information for blind and visually impaired computer users. The list is divided into four sections: Organizations, Newsletters & Journals, Networks, Databases & Bulletin Boards, and Books & Pamphlets. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Organizations

AFB Technology Center
American Foundation for the Blind, Inc.
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7642
(212) 502-7773 (fax)

Conducts product evaluations of assistive technology including braille technology, optical character readers, speech synthesizers, screen magnifiers, and closed circuit televisions. E-mail to techetr@afb.org.

American Council of the Blind
1155 15th Street, Suite 720
Washington, DC 20005
(202) 467-5081
(202) 467-5085 (FAX)

Publishes computer resource list about various devices and where to buy them. Visually Impaired Data Processors International, a computer users' special interest group, is part of ACB.

American Printing House for the Blind
P.O. Box 6085
1839 Frankfort Avenue
Louisville, KY 40206
(502) 895-2405
(800) 223-1839

Producers of software for users with visual impairments. APH also produces user manuals in braille for Apple computers, instructional aids, tools, and supplies. Four-track recorder/players available. Tutorial kit for Microsoft Windows available for VI users.

Braille Institute
741 N. Vermont Avenue
Los Angeles, CA 90029
(213) 663-1111

This is an educational organization for persons who are blind, deaf-blind, or partially sighted. It has technological resources, a talking book library, and a large community outreach program. A subsidy program for funding equipment is available to persons who are currently employed and legally blind.

Carroll Center for the Blind
70 Centre Street
Newton , MA 02158
(617) 969-6200

Various publications and rehabiliation and educational programs are available for persons who are blind or visually impaired. A computer training program, Project CABLE, provides computer assessment, training on adaptive devices and software, and word processing training. Summer training courses for youth are also offered.

Central Blind Rehabilitation Center
Veterans Affairs
Edward Hines, Jr. VA Hospital
PO Box 5000 (124)
Hines, IL 60141-5000
(708) 216-2271

Information on various types of computer access devices for people with visual impairments.

Centre for Sight Enhancement
School of Optomentry
University of Waterloo
Waterloo, ON N2L 3G1
CANADA
(519) 888-4708
(519) 746-2337 (FAX)

A clinical, teaching, and research facility providing assessment, prescription, instriction and/or rehabilitiation by a multidisciplinary professional team. Provides sight enhancement devices under the Provincial Ministry of Health's Assisitive Devices Program.

Helen Keller National Center for Deaf-Blind Youths and Adults
111 Middle Neck Road
Sands Point, NY 11050
(516) 944-8900
(516) 944-8637 (TTY)

Only national program that provides diagnostic evaluation, short-term comprehensive rehabilitation and personal adjustment training, and job preparation and placement for Americans who are deaf-blind. Local services provided through regional offices, affiliated agencies, a National Training Team, and a Technical Assistance Center for older adults.

International Braille and Technology Center for the Blind
National Center for the Blind
1800 Johnson Street
Baltimore, MD 21230
(410) 659-9314

Provides demonstrations, comparative evaluations, cost comparison, ADA compliance assistance, personal and telephone consultation pertaining to assistive technology for the visually impaired, tours, meeting and conference facilities. Resource for blind persons and sighted individuals. Overnight and dining accomodations may be available for a fee.

National Association for Visually Handicapped
22 West 21st Street
New York, NY 10010
(212) 889-3141

Organization dealing with the needs of people who are partially sighted. Contact for information about computer access. Also a San Francisco office at 3201 Balboa Street, San Francisco CA 94121.

National Braille Press, Inc.
88 St. Stephen Street
Boston, MA 02115
(617) 266-6160

Publications on personal computer technology for people who are blind. Many printer and modem manuals transcribed in braille.

National Federation of the Blind
1800 Johnson Street
Baltimore, MD 21230
(410) 659-9314

Programs include: Committee on Evaluation of Technology (which evaluates current and proposed technology for people who are blind or visually impaired); International Braille and Technology Center for the Blind (a demonstration and evaluation center for computer technology for blind and visually impaired users); and NFB in Computer Science (a nationwide computer users' group which publishes an annual newsletter for people who are blind or visually impaired).

Newspapers For the Blind
DataCast Communications, Inc.
900 Lady Ellen Place
Suite 23
Ottawa, ON K1Z 5L5
CANADA
(613) 725-2106
(613) 722-8756 (FAX)

Service that delivers an electronic version of Canada's well known newspapers to computers via a VBI decoder attached to cable TV. Available newspapers are: Montreal Gazette, La Presse, Ottawa Citizen, Toronto Star, Toronto Sun, Financial Post, The Globe and Mail.

Recording for the Blind and Dyslexic (RFBD)
20 Rozel Road
Princeton, NJ 08540
(800) 221-4792
(609) 452-0606

Provides academic textbooks and other educational textbooks to people who cannot read standard print because of physical, perceptual, or other disabilities. Must be a registered member in order to borrow materials; call for details. Also sells reference books on disk and related software products.

Sensory Access Foundation
385 Sherman Avenue, Suite 2
Palo Alto, CA 94306
(415) 329-0430 (voice)
(415) 329-0433 (TDD)

Compiles and publishes consumer information on technology updates, including computer adaptations, for blind and visually impaired people. Assists in career placement for people who have visual impairments. Career services are only available within California; information services available worldwide. Publishes a magazine and has a technology training center.

Smith-Kettlewell Eye Research Institute
Rehabilitation Engineering Center
2232 Webster Street
San Francisco, CA 94115
(415) 561-1619

Research and development center on assistive technology (including work on computer access devices) for people who are blind or visually impaired.

Technology Center (TC)
American Foundation for the Blind
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7642
(800) 232-5463

Conducts evaluations of assistive technology for visually impaired people and provides information on those products. Coordinates the Careers and Technology Information Bank (CTIB), a collection of data from visually impaired people who use adaptive equipment in a variety of jobs. E-mail to techtr@afb.org. Gopher: gopher@afb.org 5005.

Newsletters & Journals

Braille Forum
American Council of the Blind
1155 15th Street
Suite 720
Washington, DC 20005
(202) 467-5081
(202) 467-5085 (FAX)

Publication dealing with blindness-related issues, such as legislation, technology, and product/service announcements.

Computer Folks
c/o Richard Ring
269 Terhune Avenue
Passaic, NJ 07055
(201) 471-4211

A magazine on cassette for blind computer users by blind computer users. Discusses and demonstrates adaptive technology.

Journal of Visual Impairment and Blindness
American Federation for the Blind
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7600

Research journal on issues related to visual impairment and blindness. Includes research reviews, application papers, and articles on special topics (including assistive technology). Published monthly, except July and August.

Tactic
Clovernook Center
7000 Hamilton Avenue
Cincinnati, OH 45231
(513) 522-3860

International quarterly offers information and reviews on technology for people with visual impairments. Published in braille, large print, and diskette (IBM compatible) formats.

Technology Update
Sensory Access Foundation
385 Sherman Avenue Suite #2
Palo Alto , CA 94306
(415) 329-0430 (voice)
(415) 329-0433 (TDD)

Bimonthly newsletter with information regarding technology and vision impairment. Includes new product annoucements, product reviews, and consumer information. Available in print, large print, cassette, and PC diskette.

Visual Field
Florida Instructional Materials Center
5002 North Lois Avenue
Tampa, FL 33614
(813) 872-5281
(813) 872-5284 (FAX)

Biannual newsletter on products, projects, conferences, etc., related to education of students with visual impairments.

Networks, Bulletin Boards, & Databases

4 Sights Network
Upshaw Institute for the Blind
16625 Grand River
Detroit, MI 48227
(313) 272-3900
(313) 272-7111 (dial in)

This computer network provides bulletin boards and database information for blind and visually impaired individuals and those working with them. The information covers vocational and rehabilitation resources, assistive technology, educational information for parents, teachers, and students, public policy and more.

Carl et Al
American Printing House for the Blind
Attn: Paul Brown
PO Box 6085
Louisville, KY 40206-0085
(800) 223-1839
(502) 895-1509 (FAX)

An on-line database that lists materials in media accessible to people who are visually impaired. Over 120,000 records including braille books, large type materials, music scores, electronic books, sound recordings, software programs, and tactile graphics. Contact APH for billing and access information.

Books & Pamphlets

CD-ROM Advantage
D. Croft, D. Kendrick, and A. Gayzagian
1994
National Braille Press
88 St. Stephen Street
Boston, MA 02115
(617) 266-6160
(617) 437-0456 (FAX)

Answers commonly asked questions about CD-ROM technology and how it works with speech and Braille. Includes practical advice from users, profiles blind users of CD-ROM, and lists over 100 CD-ROM titles.

Computer Access, Resource Manual
Rosenbaum, et al.
1987
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158

Resource manual and curriculum for setting up an evaluation and training center in assistive technology applications for blind and visually impaired.

Customer Service Representative Training Manual
Ferrarin, Rosenbaum, et al.
1994
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158

A comprehensive curriculum for creating and providing job readiness skills for employment in customer service jobs to individuals with visual impairments utilizing assistive technology. For rehabilitation agencies, secondary institutions, or career counselors.

Extend Their Reach
1990
Electronic Industries Association
2500 Wilson Boulevard
Arlington, VA 22201
(703) 907-7600

Gives introduction to the types of products available to overcome impairments of sight, speech, hearing, motion, etc. Also provides information on how to find funding and producers of assistive devices, listing of companies, and resources for further information.

Job Readiness Workshop
1994
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158
(617) 969-6200

Step by step guide on creating a resume and developing interviewing techniques. Sample resumes and example interview questions given.

Medical Transcription Training Manual
Ferrarini, Rosenbaum, et al.
1994
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158
(617) 969-6200

Curriculum, guidelines, and resources for creating, or modifying medical transcription programs for persons with visual disabilities. 180 page manual includes detailed course outlines for terminology, transcription and computer instruction, resources, job information.

Print and Braille Literacy: Selecting Appropriate Learning Media
Hilda Caton, Ed.D.
1991
American Printing House for the Blind, Inc.
1839 Frankfort Avenue
P.O. Box 6085
Louisville, KY 40206
(502) 895-2405

Provides guidelines designed to insure that every visually impaired student will have adequate opportunity for learning to use the medium/media most appropriate for his or her needs. Guidlines were developed by a committee of experts in the field.

Project CABLE Resource Manual, 2nd edition
1987
Project CABLE (Computer Access for the Blind in Educ. and Employment)
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158
(617) 969-6200

This manual includes curriculum, evaluation forms, lesson plans, and other resources to assist in setting up or running an employment program for persons who are blind or visually impaired. Other topics include funding and staffing.

TeleSelling Training Manual
1995
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158
(617) 969-6200

Curriculum, guidelines, and resources for creating, or modifying a telemarketing training program for persons with visual disabilities. Chapters included information about the field, developing a program, teleselling skills, computer course outlines, and job readiness workshop.

Tools for Selecting Appropriate Learning Media
Caton
1994
American Printing House for the Blind
PO Box 6085
1839 Frankfort Avenue
Louisville, KY 40206-0085
(800) 223-1839

An extension of the book, Print and Braille Literacy. Designed to help parents, teachers, and administrators make decisions concerning students' use of braille, print, or both as their primary reading medium/media.

Vendor Information Sheets
Consumer Information Department of Sensory Access Foundation
385 Sherman Avenue
Suite 2
Palo Alto, CA 94306
(415) 329-0430
(415) 323-1062 (FAX)

List vendor names, addresses, phone numbers, fax numbers, BBS's and prices for access products for people who are blind or low vision. Sheets available for: screen readers, speech synthesizers, computer magnification, closed circuit televisions, braille devices and software, reading machines, and others.

Information Resources for Deaf and Hearing Impaired Individuals

The following list contains information resources for people who are deaf or hearing impaired: Organizations, Newsletters & Journals, and Books. All deal in some way with applications of computers or other high technology to needs of people with hearing impairments. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Organizations

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington , DC 20007-2778
(202) 337-5220 (voice/TDD)

National organization offering support services to deaf individuals. Services include: publications, information, regional conferences and an international convention, research library, advocacy, grants, scholarships, and financial aid.

DPI, Inc.
151 Martinvale Lane
San Jose, CA 95119-1368
(408) 629-3700

Organization whose activities include training individuals with disabilities to become computer programmers. Produces educational software developed to help college students who are deaf or hard of hearing, improve their English vocabulary and writing skills.

Mill Neck Foundation, Inc.
P.O. Box 100, Frost Mill Road
Mill Neck, NY 11765
(516) 922-3880

Telecommunications van designed as a mobile learning lab and demonstration unit for TDDs. Travels in an interstate area in the northeastern region.

National Association of the Deaf
814 Thayer Avenue
Silver Spring, MD 20910
(301) 587-1788 (voice)
(301) 587-1789 (TTY)

Consumer organization advocating for equal access by people who are deaf or hard of hearing in the areas of employment, education, telecommunications, and rehabilitation. Also maintains a publications department, deaf awareness information, legal defense fund, public information center, youth programs, and certification programs for interpreters and for sign language instructions.

National Information Center on Deafness
Gallaudet University
800 Florida Avenue, NE
Washington, DC 20002
(202) 651-5051 (voice)
(202) 651-5052 (TTY)

Provides deaf or hard of hearing individuals (as well hearing individuals) with direct information or appropriate references on a variety of issues. The center also publishes brief bibliographies and fact sheets on requested topics. There is a small charge for most publications; selected publications free.

National Technical Institute for the Deaf (NTID)
Rochester Institute for the Deaf - Div. of Public Affairs
LBJ Building
52 Lomb Memorial Drive
Rochester, NY 14623-5604
(716) 475-6400 (voice)
(716) 475-2185 (TDD)

The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society. Funded by the U.S. Department of Education. Publishes a list of captioned educational videotapes.

Software to Go
Model Secondary School for the Deaf
Gallaudet University
800 Florida Avenue NE
Washington, DC 20002-3695
(202) 651-5705 (voice/TDD)
(202) 651-5109 (fax)

Serves as an evaluation and information clearinghouse, as well as a lending library of commercially produced software. Services available to schools and programs involved with the education of hearing impaired students. Publishes a catalog every 18 months and a "Top Titles" list every 6 months. Information is also available on the Internet at gopher gallux.gallaudet.edu.

Newsletters & Journals

American Annals of the Deaf
800 Florida Avenue
Washington , DC 20002
(202) 651-5340 (voice/TTY)
(202) 651-5708 (FAX)

Bimonthly research journal for professionals working with individuals who are deaf or hearing impaired.

Hearing Health Magazine
P.O. Drawer V
Ingleside, TX 78362-0500
(512) 776-7240 (voice/TDD)

Worldwide bimonthly publication. Information for deaf and hearing-impaired people. Articles on new technology views, personal interest stories, legislative events, education and resources.

SHHH (Self Help for Hard of Hearing People)
7910 Woodmont Avenue
Suite 1200
Bethesda, MD 20814
(301) 657-2248 (voice)
(301) 657-2249 (TDD)

Bimonthly journal about hearing loss. Includes educational reports and case studies. Also hosts an annual conference and has a publications list that people can order from.

Volta Review
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
(202) 337-5220 (voice/TDD)

A technical journal for people with hearing impairments which reports on a variety of technology-related topics and issues. Published seven times a year.

Books

Extend Their Reach
1990
Electronic Industries Association
2500 Wilson Boulevard
Arlington, VA 22201
(703) 907-7600

Gives introduction to the types of products available to overcome impairments of sight, speech, hearing, motion, etc. Also provides information on how to find funding and producers of assistive devices, listing of companies, and resources for further information.

Networks, Bulletin Boards and Databases

This is a summary of databases and computerized networks of interest to people with disabilities and those working with them. The list includes databases that must be accessed by modem and those which can be stored on an individual computer. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information before going on line.

4 Sights Network
Upshaw Institute for the Blind
16625 Grand River
Detroit, MI 48227
(313) 272-3900
(313) 272-7111 (dial in)

This computer network provides bulletin boards and database information for blind and visually impaired individuals and those working with them. The information covers vocational and rehabilitation resources, assistive technology, educational information for parents, teachers, and students, public policy and more.

Ability OnLine
919 Alness Street
North York, ON M3J 2J1
CANADA
(416) 650-6207
(416) 650-5411 (dial in)

An electronic platform that links children and adolescents with disabilities and chronic illnesses with friends, peers, educators, health professionals, and family members.

ABLE INFORM
National Rehabilitation Information Center (NARIC)
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 227-0216

An electronic bulletin board of assistive technology, disability, and rehabilitation information. Provides conferencing, bulletins, and classified listings of previously owned adaptive devices. Also allows on-line access to REHABDATA, ABLEDATA, and other NARIC databases.

ABLEDATA
Macro International
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 227-0216

A computerized listing of all commercially available products for rehabilitation and independent living. There are three ways to access the database: calling the ABLEDATA office, searching by computer modem, or running the database on an individual computer. The third option is available through Macro International (on CD-ROM) and through the Trace Center (on CD-ROM or floppy disks).

Accent on Information
P.O. Box 700
Bloomington, IL 61702
(309) 378-2961

A computerized product database organized by categories of equipment and by disability function.

Careers and Technology Information Bank (CTIB)
American Foundation for the Blind
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7639
(800) 232-5463

Database of 1500 blind and visually impaired people who use assistive technology at home, at work, or at school. Information based on each member's careers and personal background. Used by blind or visually impaired individuals, employers, teachers, parents, and rehabilitation professionals.

Carl et Al
American Printing House for the Blind
Attn: Paul Brown
PO Box 6085
Louisville, KY 40206-0085
(800) 223-1839
(502) 895-1509 (FAX)

An on-line database that lists materials in media accessible to people who are visually impaired. Over 120,000 records including braille books, large type materials, music scores, electronic books, sound recordings, software programs, and tactile graphics. Contact APH for billing and access information.

CompuServe Disabilities Forum
CompuServe
P.O. Box 20212
5000 Arlington Centre Blvd.
Columbus, OH 43220
(800) 848-8199

CompuServe is a world-wide information service, open to anyone interested, which provides information and discussion forums on a wide array of topics. Included is a Disabilities Forum, dealing with disability and rehabilitation.

CONFER II, CONFER V, CONFER X
Advertel Communication Systems, Inc.
2067 Ascot
Ann Arbor, MI 48103-6101
(313) 665-2612
(313) 769-2852

A computer conferencing network and software for VAX and UNIX that enables users to establish and participate in technology-related forums and conferences regarding individuals with communication impairments. Serves as a forum for the International Society for Augmentative and Alternative Communication (ISAAC).

Cooperative Electronic Library on Disability (CO-NET)
Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966 (voice)
(608) 263-5408 (TDD)

Lists products, services, and information resources related to disability. Over 20,000 products, over 5,000 services, and over 50,000 publications are listed. Software is designed to be easy enough for beginning computer users and is accessible to users with disabilities. Available on CD-ROM; parts are also available on floppy disk and via the Internet.

CUSSNet (Computer Use in Social Services Network)
School of Social Work
University of Texas at Arlington
UTA Box 19129
Arlington, TX 76019
(817) 273-3964

This is a group of bulletin boards that share a conference, handle national and local mail and file transfer, provide for downloading of public domain software, and provide access to specialized databases on human services computing. One component specializes in information on computers and users with disabilities.

Database of Educational Resources on Spinal Cord Injury
Institute for Rehabilitation and Research
Division of Education
1333 Moursound
Houston, TX 77030
(713) 797-5945

Database contains 560 specialized educational materials relating to spinal cord injury, including both audiovisual and written materials. Printing of two subject areas is available at no charge. A printing of all resources is available for $50.

dERE - Net!
disABLED Electronic Resource Exchange Project, Inc.
4311 Portabello Drive
Gahanna, OH 43230
(614) 478-9940 (office)
(614) 478-dERE (BBS)

A multi-node bulletin board offering two chat lines, disability news, support groups, e-mail, shareware and public domain software, technical support, doors, and a quarterly hardcopy newsletter for paid members. dERE also recycles equipment from corporations and individual donations for disabled users.

Direct Link
P.O. Box 1036
Solvang, CA 93464
(805) 688-1603 (info line)
(805) 686-5284 (administration)

Information and referral service. Links disabled people with providers of direct services. Can be contacted directly by phone (voice, not modem).

Disabled Individuals Movement for Equality Network (DIMENET)
Independence Associates
c/o Eric Griffin or Roland Sykes
9 Taunton Green
Taunton, MA 02780
(508) 880-5325
(508) 880-5412 (dial in)

A national computer network responsive to the needs of the independent living and disability rights movements. Features of the system include bulletins, news groups, e-mail, and transfer of files.

EdLINC
Linc Associates
P.O. Box 14325
Columbus, OH 43214
(614) 793-0021

Computer network which provides resource information for schools and educators. Access to the network is limited to schools. Once registered with EdLINC, educators may search and order educational materials on-line.

ENABLE
West Virginia Research and Training Center
5088 Washington Street W
Cross Lanes, WV 25313
(304) 759-0716
(304) 759-0727 (dial in)

Serves individuals with disabilities, their families, support groups, rehabilitation workers, educators, and others who may be concerned with disability issues.

ERIC Clearinghouse on Disabilities and Gifted Education
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
(703) 264-9474

ERIC (Educational Resources Information Center) maintains a database of educational materials, reports, and bibliographic information on students with disabilities. The information is available via computer, microfiche, or paper copy.

IBM Kiosk for Education
IKE Office
University of Washington
Box 352122
Seattle, WA 98195
(206) 543-5604

Provides information about IBM-compatible software and hardware for higher education instruction and research. Also has a learning disability forum. Free to faculty, staff, and students at any institute of higher education. E-mail to ike@ike.engr.washington.edu.

Job Accommodation Network (JAN)
West Virginia University
918 Chestnut Ridge Road, Suite 1
P.O. Box 6080
Morgantown, WV 26506-6080
(304) 293-7186
(800) 526-7234

International information network and consulting resource for accomodating persons with disabilities in the workplace. Also has a separate phone line for questions on the ADA: (800) ADA-WORK. Maintains a electronic bulletin board with job accomodation information.

NCHRTM Bulletin Board
National Clearing House of Rehabilitation Training Materials
816 W. 6th Street
Oklahoma State University
Stillwater, OK 74078-0435
(800) 223-5219
(405) 624-3156 (dial in)

Provides information sources contained inthe NCHRTM Catalog 1992, access to ABLEDATA, ability to download information, documents, and shareware, as well as a message and conference area.

Rare Disease Database
NORD
Box 8923
New Fairfield, CT 06812
(203) 746-6518

This is a searchable database on CompuServe, accessible by PC and a modem. Contains health-related information, particulalry on rare disorders, with resources that can be contacted for further assistance.

REHABDATA
National Rehabilitation Information Center (NARIC)
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284 (voice/TDD)
(800) 346-2742 (voice/TDD)

This database contains more than 46,000 bibliographic records with summaries of the materials in the NARIC library. NARIC is a library and information center on disability and rehabilitation. REHABDATA includes research reports, books, journal articles, and audiovisual materials. Searches of this database are available by calling a NARIC information specialist or by modem through the BBS at (301) 589-3563.

TexAbility Board
Texas Rehabilitation Commission Library
4900 North Lamar Boulevard
Austin, TX 78751
(512) 483-4240

Provides information about specific disability-related services available through Texas agencies, ADA information, lists of organizations and associations, lists books and periodicals, calendar of disability-related events, and resources for parents and teachers. In Texas, dial in at (800) BBS-TEXAS; outside Texax, dial in at (512) 483-4303.

The Educational Software Selector (TESS)
EPIE Institute
103-3 West Montauk Highway
Hampton Bays, NY 11946
(516) 728-9100
(516) 728-9228 (FAX)

CD-ROM database of information on educational software. Contains data on: computer platform, supplier, grade level, review score, subject area, special needs area, intended use, and price.

United States Society for Augmentative and Alternative Communication (USSAAC)
Conferences, Inc.
P.O. Box 5271
Evanston, IL 60204-5271
(708) 869-2122
(708) 869-2161 (FAX)

The purpose of USSAAC is to bring together individuals who are committed to providing communication for people with disabilities. Professionals, families, and consumers are linked through a national database. USSAAC membership includes membership in ISAAC.

VocServe
National Center for Research in Vocational Education (NCRVE)
University of California-Berkeley
2150 Shattuck Avenue, Suite 1250
Berkeley, CA 94720-1674
(800) 762-4093 (voice)
(510) 643-6793 (modem)

Formerly AdvocNet, VocServe is an electronic mail network that serves persons interested in vocational education including researchers, policymakers, and practitioners. The network offers private e-mail, public discussion groups, and electronic versions of some NCRVE publications. Can be reached on the Internet by telnet to vocserve.berkeley.edu or by modem.

Your Voice Village, Inc.
171 River Drive
P.O. Box 606
Hadley, MA 01035
(800) 637-8720
(415) 585-1134

National/international online computer network of people with disabilities. Experts answer questions pertaining to medical, law, architecture, travel, and real estate. Also features political action, marketplace, and social connection.

820

Newsletters and Journals

This list provides information on periodicals that focus on a variety of disability issues, but particular emphasis has been placed on issues relating to computers or other high technology solutions. Periodicals of interest to rehabilitation professionals, caretakers, individuals with disabilities, and concerned friends and family are included No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

Alternatively Speaking
Michael Williams
Augmentative Communication, Inc.
1 Surf Way
Suite 237
Monterey, CA 93940
(408) 649-3050
(408) 646-5428 (FAX)

Quarterly newsletter dealing with AAC issues from a consumer perspective.

American Journal of Occupational Therapy
American Occupational Therapy Association (AOTA)
4720 Montgomery Lane
P.O. Box 31220
Bethesda, MD 20824
(301) 652-2682
(800) 377-8555 TDD

Publication that lists new approaches, practices, research, educational activities, and professional trends in occupational therapy.

Assistive Technology
RESNA
1700 N. Moore Street #1540
Arlington, VA 22209-1903
(703) 524-6686

Journal which focuses upon technological issues in the rehabilitation field.

Assistive Technology News
Technical Communications, Inc.
19 Crescent Court
Sterling, VA 20164
(703) 406-7831
(703) 406-3728 (FAX)

Published 10 times a year. Covers a wide range of products on the market to assist people with disabilities in work and life. Also covers information and events regarding the Americans with Disabilities Act.

Augmentative and Alternative Communication
Decker Publications
4 Hughson Street S, 4th Floor
P.O. Box 620, LCD1
Hamilton, ON L8N 3K7
CANADA
(905) 522-7017
(905) 522-7829 (FAX)

Quarterly journal focuses on non-verbal communication, integration theory, technology, and systems development, as well as assessment, treatment and education of alternative systems users.

Augmentative Communication News
Augmentative Communication, Inc.
One Surf Way, Suite 237
Monterey, CA 93940
(408) 649-3050

Bimonthly newsletter covering topics in augmentative communication. Each issue contains sections on consumer issues, equipment, clinical news, governmental affairs, and research.

BlissWorld
Blissymbolics Communication International
1630 Lawrence Ave, W.
Suite 104
Toronto, ON M6L 1C5
CANADA
(416) 242-9114
(416) 244-6543 (FAX)

A newsletter forum for Bliss symbol users, clinicians, and other interested persons.

Braille Forum
American Council of the Blind
1155 15th Street
Suite 720
Washington, DC 20005
(202) 467-5081
(202) 467-5085 (FAX)

Publication dealing with blindness-related issues, such as legislation, technology, and product/service announcements.

821

Closing the Gap
Closing the Gap, Inc.
P.O. Box 68
Henderson, MN 56044
(612) 248-3294

Bimonthly newspaper which provides information on the use of computers in special education and rehabilitation. Includes a "Software Previews" column, user comments, articles, and suggestions. Annual product directory published.

Communicating Together
Sharing to Learn
Suite 215
3-304 Stone Road West
Guelph, ON N1G 4W4
CANADA
(519) 766-1757
(519) 762-6682 (FAX)

Quarterly journal which provides a means of sharing experiences and information on communication for non-speaking individuals. E-mail to plindsay@oise.on.ca or smcnaughton@oise.on.ca.

Communication Outlook
Artificial Language Laboratory
Michigan State University
405 Computer Center
East Lansing, MI 48824-1042
(517) 353-0870
(517) 353-4766 (FAX)

International quarterly magazine addressed to individuals who experience communication handicaps due to neurological, sensory, or neuromuscular conditions.

Computer Folks
c/o Richard Ring
269 Terhune Avenue
Passaic, NJ 07055
(201) 471-4211

A magazine on cassette for blind computer users by blind computer users. Discusses and demonstrates adaptive technology.

ConnSENSE (Connecticut's Special Educ. Network for Software Evaluation)
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06269-2064
(203) 486-0172

Concerned with evaluating courseware for students with disabilities. Has telecommunications system for special education administrators, and a telecommunications project for students with disabilities. Publishes the ConnSENSE Bulletin which contains reviews of software as they apply to students with special needs. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

DIRECTIONS: Technology in Special Education
DREAMMS for Kids, Inc.
2763 Tasha Drive
Clearwater, FL 34621-1223

Monthly newsletter features technology tips, adaptive software and hardware reviews, assistive technology articles and reviews, Department of Education updates, technology conference news, and special education product announcements. E-mail to DREAMMS@aol.com.

Disability Today
Circulation Department
P.O. Box 237
Grimsby, ON L3M 4G3
CANADA
(905) 945-5577
(905) 945-0818 (FAX)

Quarterly journal dealing with wide range of disability related issues. Topics include: people profiles, accessible travel, education and prevention, and other resources.

Education Technology News
Business Publishing, Inc.
951 Pershing Drive
Silver Spring, MD 20910
(301) 587-6300

Bi-weekly newsletter that reports on computer advances in education. Reports on teacher training, software purchasing, obsolescence, new products, research, legislation, state and local news, meetings and conventions.

Educational Technology
Educational Technology Publications
700 Palisade Avenue
Englewood Cliffs, NJ 07632
(201) 871-4007
(201) 871-4009 (FAX)

Monthly publication with articles, literature, and product reviews on the application of technology relating to education.

Exceptional Parent Magazine
120 State Street
Hackensack, NJ 07601
(201) 489-0871
(800) 372-7368

This publication is printed twelve times per year and is designed for parents of children with disabilities. Much of the material is written by parents and information on technology is included. One issue per year is devoted strictly to technology as well.

Financing Assistive Technology
Steven Mendelsohn
Smiling Interface
P.O. Box 2792
Church Street Station
New York, NY 10008
(415) 864-2220

Bimonthly newsletter that provides information on assistive technology funding resources for consumers, service-providers, businesses, and public policy-makers.

IEEE Transactions on Rehabilitation Engineering
School of Health and Rehabilitation Sciences
117 D Pennsylvania Hall
University of Pittsburgh
Pittsburgh, PA 15261
(412) 365-4850
(412) 365-4858 (FAX)

Quarterly publication of the Institute of Electrical and Electronics Engineers, Inc. (IEEE) Engineering in Medicine and Biology Society. Topics include: biomechanics, augmentative communication theory and implementation, functional electrical stimulation, orthotics and prosthetics, assistive technology, etc.

Journal of Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
(317) 257-9672

Bimonthly journal that includes articles on the use of computers in cognitive rehabilitation retraining, software reviews, and printed source code to allow readers to program new applications.

Journal of Special Education Technology
Peabody College of Vanderbilt University
Box 328
Nashville, TN 37203
(615) 322-8150

Quarterly journal which has information, research, and reports on innovative practices applicable to educational technology.

Journal of Visual Impairment and Blindness
American Federation for the Blind
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7600

Research journal on issues related to visual impairment and blindness. Includes research reviews, application papers, and articles on special topics (including assistive technology). Published monthly, except July and August.

Learning and Leading with Technology (formerly Computer Teacher)
ISTE (International Society for Technology and Education)
1787 Agate Street
University of Oregon
Eugene, OR 97403-1923
(503) 346-4414

Published eight times per year. Includes articles, columns, software reviews, and new product announcements.

Rehabilitation Digest
Canadian Rehabilitation Council for the Disabled
45 Shepard Avenue E., Suite 801
Toronto, ON M2N 5W9
CANADA
(416) 250-7490
(416) 229-1371 (FAX)

Quarterly journal which contains information on technology as well as books and articles of interest to the rehab community including professionals and consumers with disabilities.

SERC Newsletter
Special Education Resource Center
25 Industrial Park Road
Middletown, CT 06457
(203) 632-1485

Outlines the Center's inservice activities, lists new acquisitions, provides bibliographies for research and additional information on educational resources for parents, educators, and others.

Special Education Report
Capitol Publications
110 King Street, Suite 444
Alexandria, VA 22314
(703) 739-6555

Bi-weekly newsletter containing information about federal, state, and local efforts to educate special education children. Covers new laws and regulations, court cases, and funding.

Technology Update
Sensory Access Foundation
385 Sherman Avenue Suite #2
Palo Alto , CA 94306
(415) 329-0430 (voice)
(415) 329-0433 (TDD)

Bimonthly newsletter with information regarding technology and vision impairment. Includes new product annoucements, product reviews, and consumer information. Available in print, large print, cassette, and PC diskette.

The Advocate
Autism Society of America
7910 Woodmont Avenue, Suite 650
Bethesda, MD 20814
(301) 657-0881
(800) 3-AUTISM

Contains a variety of information about autism and serves as an advocacy and information forum for families. Lists conferences and referrals, also contains articles, interviews, and research updates on computers and autism. Quarterly.

The Catalyst
Western Center for Microcomputers in Special Education
1259 El Camino Real, Suite 275
Menlo Park, CA 94025
(415) 855-8064

Quarterly newsletter that provides information on technology adaptations for special education and rehabilitation.

The Disability Rag & ReSource
Advocado Press, Inc.
Box 145
Louisville, KY 40201
(502) 459-5343

Deals with social change and political issues affecting the disability rights movement. Occasionally contains articles regarding the relevance of technology and announcements about new technology.

Selected Resources on Computers for People with Learning Disabilities

This list includes basic information on resources which may be of benefit to people with learning disabilities. The list is divided into three categories: Organizations, Books & Pamphlets, and Newsletters & Journals. Particular emphasis is placed on resources related to the use of computers by people with learning disabilities. No recommendations or endorsements are implied by inclusion on this list.

Organizations

Association on Higher Education and Disability (AHEAD)
P.O. Box 21192
Columbus, OH 43221
(614) 488-4972

This organization offers many pamphlets and books on the topic of learning disabilities and higher education to professional service providers only.

ConnSENSE (Connecticut's Special Educ. Network for Software Evaluation)
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06269-2064
(203) 486-0172

Concerned with evaluating courseware for students with disabilities. Has telecommunications system for special education administrators, and a telecommunications project for students with disabilities. Publishes the ConnSENSE Bulletin which contains reviews of software as they apply to students with special needs. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

Learning Disabilities Association of America (LDAA)
4156 Library Road
Pittsburgh, PA 15234
(412) 341-1515

A national organization devoted to defining and finding solutions for the broad spectrum of learning problems. Inquirers are sent a free information packet and referred to one of LDAA's local chapters.

Learning Disabilities Research and Training Center
534 Aderhold Hall
University of Georgia
Athens, GA 30602
(706) 655-5711

Center specializing in learning disabilities, including the application of technology in meeting needs of people with LD. Focuses on adults with learning disabilities. Conducts various research and training activities.

National Center for Learning Disabilities (NCLD)
381 Park Avenue South
New York, NY 10016
(212) 545-7510

Maintains a database of special programs, schools, and services for persons with learning disabilities. The listings are state-by-state. Inquirers can request a search of up to three states and printouts of the database listings will be sent to them. Also provides free information on learning disabilities.

The Orton Dyslexia Society
Chester Bldg. #328
8600 LaSalle Road
Baltimore, MD 21286
(410) 296-0232
(800) 222-3123

A scientific and educational association involved in the study and treatment of dyslexia. Offers publications and information and referral services which help in understanding dyslexia, including a quarterly newsletter, annual journal, and information packet. Has 44 branches in the US offering a variety of local services, support groups, and networks.

Recording for the Blind and Dyslexic (RFBD)
20 Rozel Road
Princeton, NJ 08540
(800) 221-4792
(609) 452-0606

Provides academic textbooks and other educational textbooks to people who cannot read standard print because of physical, perceptual, or other disabilities. Must be a registered member in order to borrow materials; call for details. Also sells reference books on disk and related software products.

Books & Pamphlets

Directory of Facilities and Services for the Learning Disabled, 15th Edition
1995-96
Academic Therapy Publications
20 Commercial Blvd.
Novato, CA 94949-6191
(415) 883-3314

This directory contains a resource listing of programs and vendors around the country serving people with learning disabilities.

BOSC Directory - Facilities for People with Learning Disabilites
Irene Slovak
1995
Books on Special Children
P.O. Box 305
Congers, NY 10920
(914) 638-1236
(914) 638-0847 (FAX)

Contains profiles of colleges with programs for people with learning disabilites, independent living centers, special schools, vocational training programs, agencies which furnish services, commercial companies which make products, and others. Updated annually.

Special Education Technology: Classroom Applications
Rena Lewis
1993
Brooks/Cole Publishing Company
511 Forest Lodge Road
Pacific Grove, CA 93950
(800) 354-9706

Textbook designed to help pre- and in-service teachers understand how to use technology to benefit individuals with disabilities in the classroom. Focuses on computers, switches, augmentation communication, mobility devices, print translation for blind students, and listening devices for students with hearing disabilities.

Special Times and Special Choices
Cambridge Development Laboratory
86 West Street
Waltham, MA 02154
(800) 637-0047

Two catalogs of software selected specifically for children with learning disabilities. Sections are divided by subject area. Published twice per year.

Making Technology Usable: Keeping the Interface Simple
Leonard G. Perlman, Ed.D.
1993
Electronic Industries Foundation
Rehabilitation Engineering Center
919 18th Street, NW
Suite 900
Washington, DC 20006

The views of consumers with learning disabilities, mental retardation and their caregivers. Results of the final year of a five-year study.

Newsletters & Journals

Journal of Learning Disabilities
Pro-Ed, Inc.
8700 Shoal Creek Blvd.
Austin, TX 78757
(512) 451-3246

A multidisciplinary publication that covers practice, research, and theory related to learning disabilities. Includes coverage of computer use in the schools. Published ten times per year.

Software Resources

This list provides additional suggestions about where to look for information on software for special education and rehabilitation. It contains two sections, one listing organizations and one listing publications. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Organizations

Apple Computer Disability Solutions
Worldwide Disability Solutions Group
MS 38-DS
20525 Mariani Avenue
Cupertino, CA 95014
(800) 600-7808

Macintosh solutions for children and adults with disabilities and rehabilitation professionals.

ConnSENSE (Connecticut's Special Educ. Network for Software Evaluation)
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06269-2064
(203) 486-0172

Concerned with evaluating courseware for students with disabilities. Has telecommunications system for special education administrators, and a telecommunications project for students with disabilities. Publishes the ConnSENSE Bulletin which contains reviews of software as they apply to students with special needs. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

DPI, Inc.
151 Martinvale Lane
San Jose, CA 95119-1368
(408) 629-3700

Organization whose activities include training individuals with disabilities to become computer programmers. Produces educational software developed to help college students who are deaf or hard of hearing, improve their English vocabulary and writing skills.

Florida Diagnostic and Learning Resources Services (FDLRS)
5555 SW 93th Avenue
Miami, FL 33165
(305) 274-3501

Offers evaluation for adaptive computer access and augmentative communication for Exception Education Students, inservice training, public domain copying, and computer infromation resources.

The Educational Software Selector (TESS)
EPIE Institute
103-3 West Montauk Highway
Hampton Bays, NY 11946
(516) 728-9100
(516) 728-9228 (FAX)

CD-ROM database of information on educational software. Contains data on: computer platform, supplier, grade level, review score, subject area, special needs area, intended use, and price.

UCLA Microcomputer Project
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
(310) 825-4821

Provides a catalog of UCLA software, an instructional guide for parents and teachers on setting up computer systems, and an annual resource guide of hardware and software programs for people with disabilities.

Publications

Closing the Gap
Closing the Gap, Inc.
P.O. Box 68
Henderson, MN 56044
(612) 248-3294

Bimonthly newspaper which provides information on the use of computers in special education and rehabilitation. Includes a "Software Previews" column, user comments, articles, and suggestions. Annual product directory published.

Educational Software Preview Guide
1994-95
ISTE (International Society for Technology in Education)
1787 Agate Street
University of Oregon
Eugene, OR 97403-1923
(503) 346-4414

Lists over 500 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Software Resource Guide
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60201-2796
(708) 328-0001

Guidebook of 316 software programs appropriate for children with mental, physical, behavioral, sensory, and learning impairments.

Special Times and Special Choices
Cambridge Development Laboratory
86 West Street
Waltham, MA 02154
(800) 637-0047

Two catalogs of software selected specifically for children with learning disabilities. Sections are divided by subject area. Published twice per year.

Trace ResourceBook
Borden, P., Lubich, J., & Vanderheiden, G.
1996-97
Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966
(608) 263-5408 (TDD)

This directory lists assistive technology products for communication, control, and computer access for people with disabilities. About 1,500 products are included. Each product entry includes a description, price, and photo (when available). Products are cross referenced by functions and features. Additional information resources are also listed. Approx. 900 pages.

Other

ABLEDATA
Macro International
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284
(800) 227-0216

A computerized listing of all commercially available products for rehabilitation and independent living. There are three ways to access the database: calling the ABLEDATA office, searching by computer modem, or running the database on an individual computer. The third option is available through Macro International (on CD-ROM) and through the Trace Center (on CD-ROM or floppy disks).

Cooperative Electronic Library on Disability (CO-NET)
Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966 (voice)
(608) 263-5408 (TDD)

Lists products, services, and information resources related to disability. Over 20,000 products, over 5,000 services, and over 50,000 publications are listed. Software is designed to be easy enough for beginning computer users and is accessible to users with disabilities. Available on CD-ROM; parts are also available on floppy disk and via the Internet.

Appendix B

Service Providers and Organizations

This appendix includes resource lists of people and organizations which provide services relevant to the application of technology in special education, rehabilitation and augmentative communication. Services may range from supplying information to providing support to performing evaluations. The "Service Centers" listing concentrates particularly on evaluations. It is recommended strongly that an evaluation be performed on persons needing a communication or computer access system before major equipment is purchased. Readers are encouraged to send information about any service providers not listed to the Trace Center for inclusion in future editions. The information provided in this appendix is not evaluative, and inclusion on any of the resource lists does not imply endorsement or recommendation. Titles and page numbers of the listings appear on the next page.

Appendix B: Service Providers and Organizations

B-1: Alliance for Technology Access: Member Sites 801

B-2: Computer Assessment and Training Programs for Disabled Individuals 804

B-3: Conferences 807

B-4: Organizations, Advocacy Groups and Self-Help Groups 808

B-5: Professional Associations 812

B-6: Resources on the Americans with Disabilities Act 813

B-7: Service Centers for Augmentative Communication and Computer Access 815

B-8: Technology-Related Assistance Act: State Programs 822

B-9: Training Programs in Technology for Special Education 826

Alliance for Technology Access: Member Sites

Formerly called the National Special Education Alliance. A national network of local self-help groups dealing with computers and people with disabilities. Each group is self-operated and self-funded.

Alabama

Birmingham Alliance for Technology Access Center
Birmingham Independent Living Center
206 13th Street South
Birmingham, AL 35233
(205) 251-2223 (voice & TDD)
(205) 251-0605

Technology Assistance for Special Consumers
P.O. Box 443
Huntsville, AL 35804
(205) 532-5996

Alaska

Alaska Services for Enabling Technology
P.O. Box 6485
207 Moller Drive
Sitka, AK 99835
(907) 747-7615

Arkansas

Technology Resource Center
c/o Arkansas Easter Seal Society
3920 Woodland Heights Road
Little Rock, AR 72212
(501) 227-3600

California

Center for Accessible Technology
Disabled Children's Computer Group (DCCG)
2547 8th Street #12A
Berkeley, CA 94710
(510) 841-3224

Computer Access Center
8901 Earhart Avenue
Los Angeles, CA 90045
(310) 829-6395

Special Awareness Computer Center
Rehabilitation Center
2975 North Sycamore Drive
Simi Valley, CA 93065
(805) 582-1881

Special Technology Center
590 Castro Street
Mountain View, CA 94041
(415) 961-6789

Team of Advocates for Special Kids
100 W. Cerritos Ave.
Anaheim, CA 92805
(714) 533-TASK

Florida

Computer CITE
215 E. New Hampshire Street
Orlando, FL 32084
(407) 898-2483

Georgia

Tech-Able
1140 Ellington Drive
Conyers, GA 30207
(404) 922-6768

Hawaii

Aloha Special Technology Access Center
1750 Kalakaua Avenue #1008
Honolulu, HI 96826
(808) 955-4464

Illinois

Northern Illinois Center for Adaptive Technology
1950 W. Roosevelt Avenue
Chicago, IL 60608
(312) 421-3373

Kansas

Technology Resource Solutions for People (TRSP)
3023 Canterbury
or 1710 West Schilling Road
Salina, KS 67401
(913) 827-0301

830

Kentucky

ATA Eastern Technical Assistance Office
1531 Dawn Drive
Louisville, KY 40216
(502) 449-0645

Blue Grass Technology Center
169 N. Limestone
Lexington, KY 40507
(606) 255-9951

Enabling Technologies of Kentuckiana (enTECH)
Louisville Free Public Library
301 York Street
Louisville, KY 40203
(502) 574-1637
(800) 327-5284 (in Kentucky only)

SpeciaLink
36 W. Fifth Street
Covington, KY 41011
(606) 491-2464

Maryland

Learning Independence Through Computers, Inc.
28 E. Ostend Street, Suite 140
Baltimore, MD 21230
(410) 659-5462
(410) 659-5472 (FAX/TDD)

Massachusetts

Massachusetts Special Technology Access Center
12 Mudge Way 1-6
Bedford, MA 01730
(617) 275-2446

Michigan

Living & Learning Resource Center
Physically Impaired Association of Michigan
600 W. Maple Street
Lansing, MI 48906-3068
(517) 487-0883
(800) 833-1996 (MI)

Minnesota

PACER Center
4826 Chicago Avenue South
Minneapolis, MN 55417
(617) 827-2966
(800) 53PACER (in Minnesota)

Missouri

Technology Access Center
12110 Clayton Road
St. Louis, MO 63131
(314) 569-8404
(314) 569-8100

Montana

Parents, Let's Unite for Kids
MSU-Billings/ SPED Room 267
1500 N. 30th Street
Billings, MT 59101-0298
(406) 657-2055

New Jersey

Center for Enabling Technology
9 Whippany Road
622 Route 10W
Suite 22B
Whippany, NJ 07981
(201) 428-1455

Computer Center for People with disAbilities (CCdA)
c/o Family Resources, Inc
35 Haddon Avenue
Shrewsbury, NJ 07702
(908) 7474-5310

New York

Techspress Resource Center for Independent Living
409 Columbia Street
Utica, NY 13502
(315) 797-4642 (V/TDD)

North Carolina

Carolina Computer Access Center
700 East Second Street
Charlotte, NC 28202
(704) 342-3004

North Dakota

Pathfinder Parent Training and Information Center
ATA Computer Resource Center
1600 2nd Avenue SW
Minot, ND 58701
(701) 852-9426
(701) 852-9436

Ohio

Technology Resource Center, Inc.: Enabling People with Disabilities
301 Valley Street
Dayton, OH 45404
(513) 222-5222

Rhode Island

TechACCESS of Rhode Island
300 Richmond Street
Providence, RI 02903
(401) 273-1990
(401) 273-1991

Tennessee

East Tennessee Special Technology Access Center, Inc
3525 Emory Road, NW
Powell, TN 37849
(615) 947-2191
(615) 947-2194

Technology Access Center of Middle Tennessee
2222 Metro Center Blvd.
Suite 126
Nashville, TN 37228
(617) 248-6733
(800) 368-4651

West Tennessee Special Technology Resource Center
60 Lyn Oak Cove
Jackson, TN 38305
(901) 668-3888

Virgin Islands

Virgin Islands Resource Center for the Disabled, Inc.
P.O. Box 1825
St. Thomas, VI 00803
(809) 777-ABLE

Virginia

Tidewater Center for Technology Access
Special Education Annex
3352 Vdirginia Beach Boulevard
Virginia Beach, VA 23452
(804) 473-4095
(804) 431-4090

Washington

Washington Technology Access Center (WTAC)
8511 15th Avenue NE
Seattle, WA 98115-3199
(206) 526-1240

West Virginia

Project G.L.U.E
c/o Children's Therapy Clinic
2345 Chesterfield Avenue
Charleston, WV 25304
(304) 342-6501

Computer Assessment and Training Programs for Disabled Individuals

This list contains information on programs and organizations that provide computer-oriented assessment and training for disabled persons, either children or adults, or that assess a person's computer-related skills and recommend adaptations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Adaptive Technology Laboratory (ATL)
Southern Connecticut State University
Engleman Hall, Room 5
501 Crescent Street
New Haven, CT 06515
(203) 392-5799

Conducts service and education programs on adaptive technology for persons with learning, visual, and physical disabilities. Conducts computer access evaluations and training of persons with disabilities.

Assistive Technology/Special Schools Program
Orange County Department of Education
P.O. Box 9050
Costa Mesa, CA 92628-9050
(714) 966-4140

Program provides county-wide assistive technology services for students with disabilities. Students are trained in the use of adapted computer systems and assistive technology to help them become more independent.

Carroll Center for the Blind
70 Centre Street
Newton , MA 02158
(617) 969-6200

Various publications and rehabiliation and educational programs are available for persons who are blind or visually impaired. A computer training program, Project CABLE, provides computer assessment, training on adaptive devices and software, and word processing training. Summer training courses for youth are also offered.

Center for Adapted Technology
Colorado Easter Seal Society
5755 West Alameda
Lakewood, CO 80226
(303) 233-1666

Provides a variety of services for persons with disabilities including: assessments and evaluations for assistive technology, computer training, equipment loaning, public domain software library, on-line bulletin boards, and publications.

Center for Applied Rehabilitation Technology (CART)
Rancho Los Amigos Medical Center
7601 East Imperial Highway
Downey, CA 90242
(310) 940-6800
(310) 803-8848 (FAX)

Provides computer access evaluations, recommendations of appropriate equipment including hardware and software adaptations, assistance in setting up equipment, and beginning training for any adaptations recommended. Individuals of any age are served.

Center for Computer Assistance to the Disabled (C-CAD)
1950 Stemmons Frwy, Suite 4041
Dallas, TX 75207
(214) 746-4217

Non-profit organization that provides computer training for individuals with disabilities. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

CETEC (Computer Education and Training Evaluation Center)
Sensory Access Foundation
385 Sherman Avenue, Suite 2
Palo Alto, CA 94306
(415) 329-0430 (voice)
(415) 329-0433 (TDD)

Provides individual assessments of technology needs of people with visual impairments within the state of California.

Communication Aids and Systems Clinic
Trace Center
S-121 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 263-2522

Multi-disciplinary team provides evaluations, treatment and consultative services for individuals of all ages who need augmentative communication systems, computer access or writing in a totally integrated system.

Computer Counsellors
2008 N. Via Establo
Santa Maria, CA 93454-8201
(805) 925-5780

Provides voice input and output computer training to people with disabilities. Run by Amy L. Malicki, LTM.

Computers to Help People, Inc.
825 E. Johnson Street
Madison, WI 53703
(608) 257-5917

Provides people with disabilities with vocational training in computer operation. Also sells software designed for people with physical disabilities.

DPI, Inc.
151 Martinvale Lane
San Jose, CA 95119-1368
(408) 629-3700

Organization whose activities include training individuals with disabilities to become computer programmers. Produces educational software developed to help college students who are deaf or hard of hearing, improve their English vocabulary and writing skills.

Easter Seal Children's Center
3035 N. Druid Hills Road
Atlanta, GA 30329
(404) 633-9609

Offers advice and training for computer use with children with disabilities. Includes services regarding computers, peripherals, appropriate software, occupational therapy, physical therapy, and speech therapy.

Florida Diagnostic and Learning Resources Services (FDLRS)
5555 SW 93th Avenue
Miami, FL 33165
(305) 274-3501

Offers evaluation for adaptive computer access and augmentative communication for Exception Education Students, inservice training, public domain copying, and computer infromation resources.

Infinitec
United Cerebral Palsy Association of Greater Chicago
155 N. Wacker Drive
Chicago, IL 60606
(312) 368-0380

Functions include: assistive technology exhibits, community service, communication devices, library and resource center, policy area, product testing and evaluation, and technology exchange network. Resource for manufacturers, service providers, rehab professionals, technolgy suppliers, payer sources, and people with disabilities.

LIFT, Inc.
P.O. Box 1072
Mountainside, NJ 07092
(800) 552-5438
(908) 789-2443

Not-for-profit company that identifies, trains, and hires individuals with physical disabilities as computer programmers for major corporations.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
(410) 554-3000

Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

Microcomputer Resource Lab
Los Angeles Unified Schools District
15530 Hesby Street
Encino, CA 91436
(818) 997-2330 ext. 186

Provides technology assessments for Los Angeles Unified School District students with disabilities. Provides computer training for special education teachers in the use of computers and software for individuals with special needs. Also maintains extensive Pre K-12 educational software libraries for the Apple, Mac, and IBM platforms.

Neil Squire Foundation
Suite 220 - 2250 Boundary Road
Burnaby, BC V5M 4L9
CANADA
(604) 473-9363
(604) 473-9364

Canadian non-profit organization whose purpose is to create opportunities for independence for individuals with severe physical disabilities. Through direct interaction the foundation researches, develops, and delivers appropriate innovative services and technology to meet their needs.

NorthEast Independent Living Program
20 Ballard Road
Lawrence, MA 01843-1018
(508) 687-4288

Provides assistive technology training for persons with disabilities in an effort to increase their independent living skills.

Office Systems for the Visually or Physically Impaired
1822 North Wood Street
Chicago, IL 60622
(800) 253-4391

Provides assistance in compliance and implementation of multiple sensory workplace accomodations, on-site or at Chicago office. Implementation includes training, system configuration services, and demonstration and sales of products. Computer access includes voice input, scanning input, screen magnification, and screen readers. AAC devices include software for a Mac or PC, as well as dedicated devices.

Pennsylvania Technology Program (PennTECH)
6340 Flank Drive
Suite 600
Harrisburg, PA 17112
(715) 541-4960
(800) 222-7372 (in PA only)

Statewide program providing technical assistance, training, consultation, textbook production, and workshops pertaining to assistive technology. Purchase of assistive devices for student use.

SAGE Employment & Community Services
332 S. Convent Avenue
Tucson, AZ 85701
(520) 622-3933
(520) 670-9221 (FAX)

Involved with basic remediation and rehabilitation, vocational counseling, and research on the use of technology with individuals with severe and profound disabilities. Part of the Blake Foundation.

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
(612) 863-4407

Organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

Special Education Technology - British Columbia (SET-BC)
105-1750 West 75th Avenue
Vancouver, BC V6P 6G2
CANADA
(604) 261-9450
(604) 261-2256 (FAX)

Provincial resource program that provides support to school districts in educating low incidence students through the use of technology. Services provided include: consultation on assessment of student needs and planning for the implementation of technology, equipment loan to students, training and information resources.

Special Needs Center
Duluth Public Library
520 W. Superior Street
Duluth, MN 55802
(218) 723-3809

Trains persons with disabilities in the use of Apple and IBM computers. Applications include word processing, database, AppleSoft Basic, Logo, and Adaptive Firmware Card. Product information on software, hardware, and adaptations is available. Also has an adaptive toy program.

STORER Computer Access Center
Cleveland Sight Center
1909 E. 101st Street
Cleveland, OH 44106
(216) 791-8118

Offers orientation, evaluation, training, engineering support, and system rental to blind or visually impaired individuals. Also provides training for instructors, engineers, and vocational specialists in assistive computer technology. Offers housing and a full range of rehabilitation services.

Technical Resource Centre
200, 1201 - 5th Street SW
Calgary, AB T2R 0Y6
CANADA
(403) 262-9445
(403) 262-4539 (FAX)

Does assessments and provides technical aids to help persons with disablilities better realize educational, vocational, social, and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

Technology Resource Center, Inc.: Enabling People with Disabilities
301 Valley Street
Dayton, OH 45404
(513) 222-5222

Offers individuals, their families, and professionals a place to learn about and experience assistive communication devices for children and adults who are unable to speak, read, or write. We provide a rich assortment of adaptive input devices and specialized software for computer-based language development.

Variety Club
Warwick Hotel
17th and Locust Streets
Philadelphia, PA 19103
(215) 735-0803

Runs the Variety Club Camp and Developmental Center for children with disabilities. Assessment and computer training are provided. Provides other services for children with disabilities ranging from a medical equipment distribution program to children's field trips and parties. Children must be residents of the Deleware Valley.

Conferences

This resource list provides information on organizations that hold annual or other regularly scheduled conferences in the areas of augmentative communication, blindness, occupational therapy, and general disability. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

American Council of the Blind
1155 15th Street, Suite 720
Washington, DC 20005
(202) 467-5081
(202) 467-5085 (FAX)

Publishes computer resource list about various devices and where to buy them. Visually Impaired Data Processors International, a computer users' special interest group, is part of ACB.

American Occupational Therapy Association (AOTA)
4720 Montgomery Lane
Bethesda, MD 20824
(301) 652-2682
(800) 377-8555 TDD

AOTA is a nationwide organization of professionals concerned wih all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy. Membership includes a special interest section on technology.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
(301) 897-5700
(800) 638-8255

National association of professionals working in speech, language, and hearing fields. Membership includes many specialists in augmentative communication. Consumer Affairs Division disperses information and will provide referrals to certified speech-language pathologists and audiologists.

California State University, Northridge
18111 Nordhoff Street-DVSS
Center on Disabilities
Northridge, CA 91330-8340
(818) 885-2578
(818) 885-4929 (FAX)

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
(612) 248-3294

National conference, workshops, and training. Also publishes a newspaper dedicated to the latest in technology for people with disabilities.

Internat'l Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762
Station R
Toronto, ON M4G 4A3
CANADA
(905) 737-9308
(905) 737-0624 (FAX)

The purpose of ISAAC is to advance the field of augmentative and alternative communication, to facilitate information exchange, and to focus attention on work in the field. Membership is international. Activities include conferences and publications.

National Federation of the Blind
1800 Johnson Street
Baltimore, MD 21230
(410) 659-9314

Programs include: Committee on Evaluation of Technology (which evaluates current and proposed technology for people who are blind or visually impaired); International Braille and Technology Center for the Blind (a demonstration and evaluation center for computer technology for blind and visually impaired users); and NFB in Computer Science (a nationwide computer users' group which publishes an annual newsletter for people who are blind or visually impaired).

Rehabilitation Technology Association
West Virginia Research & Training Center
5088 Washington St. West
Cross Lanes, WV 25313
(304) 759-0716 - voice/TDD

RESNA
1700 N. Moore Street #1540
Arlington, VA 22209-1903
(703) 524-6686

An association for the advancement of rehabilitation technology. Its membership includes rehabilitation professionals, service providers, researchers, vendors, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for people with diabilities through the application of science and technology, and to influence policy relating to the delivery of technology and services.

Organizations, Advocacy Groups and Self-Help Groups

The groups and organizations listed below are concerned with the education, rehabilitation, and employment of severely disabled individuals. The list is not comprehensive: states and communities may have agencies that can provide some of the same information and services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Outreach (Activitating Children Through Technology)
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
(309) 298-1014

Training is offered to early childhood professionals and families which encourages the integration of technology in the pre-school curriculum. ACTT has developed a curriculum for ages birth-6 which utilize computers and special peripherals for communication and other skills.. The training programs can be taken for graduate credit if desired.

AFB Technology Center
American Foundation for the Blind, Inc.
11 Penn Plaza
Suite 300
New York, NY 10001
(212) 502-7642
(212) 502-7773 (fax)

Conducts product evaluations of assistive technology including braille technology, optical character readers, speech synthesizers, screen magnifiers, and closed circuit televisions. E-mail to techetr@afb.org.

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington , DC 20007-2778
(202) 337-5220 (voice/TDD)

National organization offering support services to deaf individuals. Services include: publications, information, regional conferences and an international convention, research library, advocacy, grants, scholarships, and financial aid.

ALS Association
21021 Ventura Blvd. Suite 321
Woodland Hills, CA 91364
(818) 340-7500
(800) 782-4747

National organization that acts as a referral service for ALS patients in need of computers and computer assisted communication devices. Most such patients depend on computers to enable them to communicate with others.

Arkansas Research & Training Center in Voc Rehab
P.O. Box 1358
Hot Springs, AR 71902
(501) 624-4411 ext. 292 (training)
(501) 624-4411 ext. 299 (publications)

Research reports and reference materials available from the materials development and dissemination center. Training programs, including technology-related services, are available from the training center.

Autism Society of America
7910 Woodmont Avenue
Suite 65D
Bethesda, MD 20814
(301) 657-0881
(800) 3AUTISM

National service and advocacy organization for people with autism. Special services are offered on a local level; public policy advocacy and information and referral services are offered on a national level.

Blissymbolics Communication International
1630 Lawrence Avenue, W.
Suite 104
Toronto, ON M6L 1C5
CANADA
(416) 242-9114
(516) 244-6543 (FAX)

Support and educational group involved in the design of computer programs using Blissymbols. Resource center for the use of Blissymbols. Distributes Blissymbols programs for augmentative communication.

Bureau of Student Services and Exceptional Education
Florida Dept. of Education
Florida Education Center
325 W. Gaines Street, Suite 544
Tallahassee, FL 32399-0400
(904) 922-0040
(904) 487-8714

State Education Agency which coordinates instructional technology applications in exceptional student education. Project areas include policy and program development, implementation and evaluation, coordination of funded projects, and coordination of statewide assistive technology systems for students with disabilities.

Carolina Computer Access Center
700 East Second Street
Charlotte, NC 28202
(704) 342-3004

Mission is to promote the use of computers, assistive devices, and software to increase the academic and vocational potential of people with disabilities. Maintains a lending library, offers information and assistance on the use of technology, and conducts workshops.

Center for Adapted Technology
Colorado Easter Seal Society
5755 West Alameda
Lakewood, CO 80226
(303) 233-1666

Provides a variety of services for persons with disabilities including: assessments and evaluations for assistive technology, computer training, equipment loaning, public domain software library, on-line bulletin boards, and publications.

Center for Computer Assistance to the Disabled (C-CAD)
1950 Stemmons Frwy, Suite 4041
Dallas, TX 75207
(214) 746-4217

Non-profit organization that provides computer training for individuals with disabilities. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
(612) 248-3294

National conference, workshops, and training. Also publishes a newspaper dedicated to the latest in technology for people with disabilities.

D/SNUG (Disabled/Special Needs Users' Group)
Boston Computer Society (BCS)
101-A 1st Avenue
Waltham, MA 0215401160
(617) 290-5700

D/SNUG is a special interest group of the Boston Computer Society. Also publishes a quarterly newsletter.

East Range Developmental Achievement Resource Center
800 A Avenue
Eveleth, MN 55734
(218) 744-5130

An exchange network for information on the use of computers by persons with developmental disabilities and a regional assistive technology lending library.

HEATH Resource Center
1 Dupont Circle NW, Suite 800
Washington, DC 20036
(202) 939-9320
(800) 54-HEATH

National clearinghouse on post-secondary education for individuals with disabilities. Prepares and disseminates a resource directory, newsletter, and other publications.

IBM Corporation Special Needs Systems
P.O. Box 1328
Internal Zip 5432
Boca Raton, FL 33432
(800) 426-4832

Markets special line of computer access products for users with disabilities, designed for IBM systems.

Independent Living Program
Curative Rehabilitation Center
2900 Curry Lane
P.O. Box 8027
Green Bay, WI 54308
(414) 468-1161 ext. 132

Provides services relating to the fitting and positioning of computer access devices to individuals sixteen years of age or older in Northeastern Wisconsin and the Fox Valley. Also works for funding advocacy. Site for WisTech and WisTech Tryout.

Infinitec
United Cerebral Palsy Association of Greater Chicago
155 N. Wacker Drive
Chicago, IL 60606
(312) 368-0380

Functions include: assistive technology exhibits, community service, communication devices, library and resource center, policy area, product testing and evaluation, and technology exchange network. Resource for manufacturers, service providers, rehab professionals, technolgy suppliers, payer sources, and people with disabilities.

Integrated Technology Services
Fairfax Public Schools
2334 Gallows Road
Dunnlorring, VA 22027
(703) 204-3939

Resource center for technology for special education students and teachers in public schools. Have explored computer applications in the following areas: computer literacy, CAI, communication assistance, and vocational training.

Job Accommodation Network (JAN)
West Virginia University
918 Chestnut Ridge Road, Suite 1
P.O. Box 6080
Morgantown, WV 26506-6080
(304) 293-7186
(800) 526-7234

International information network and consulting resource for accomodating persons with disabilities in the workplace. Also has a separate phone line for questions on the ADA: (800) ADA-WORK. Maintains a electronic bulletin board with job accomodation information.

Muscular Dystrophy Association (MDA)
3300 E. Sunrise Drive
Tucson, AZ 85718
(800) 572-1717
(520) 529-2000

National voluntary health organization fighting 40 neuromuscular diseases through worldwide research, through a nationwide network of clinics, and through far-reaching professional and public health education.

National ClearingHouse of Rehabilitation Training Materials
(NCHRTM)
Oklahoma State University
816 West 6th Avenue
Stillwater, OK 74078-0435
(405) 624-7650
(800) 223-5219

Provides information on vocational rehabilitation and special education with primary emphasis on training materials for use by educators, disabled persons or counselors. Serves as a national repository for such training materials. Publishes the NCHRTM Memo (quarterly) to help disseminate information.

National Down Syndrome Congress
1605 Chantilly Drive, Suite 250
Atlanta, GA 30324
(404) 633-1555
(800) 232-6372

An organization of parents and professionals that provides information on services for persons with Down Syndrome.

National Federation of the Blind
1800 Johnson Street
Baltimore, MD 21230
(410) 659-9314

Programs include: Committee on Evaluation of Technology (which evaluates current and proposed technology for people who are blind or visually impaired); International Braille and Technology Center for the Blind (a demonstration and evaluation center for computer technology for blind and visually impaired users); and NFB in Computer Science (a nationwide computer users' group which publishes an annual newsletter for people who are blind or visually impaired).

National Head Injury Foundation
1776 Massachusetts NW, Suite 100
Washington, DC 20036-1904
(202) 296-6443
(800) 444-6443 (info & resources)

Pursues various information and advocacy activities related to the prevention and treatment of brain injuries.

National Information Center for Handicapped Children and Youth with Disabilities (NICHCY)
P.O. Box 1492
Washington, DC 20013
(202) 884-8200
(800) 695-0285

A free information referral service that assists parents, educators, care-givers, and others in ensuring that children and youth with disabilities have better opportunities. Has fact sheets and other publications available.

National Information Clearinghouse for Infants with Disabilities and Life-Threatening Conditions
Center for Developmental Disabilities
School of Medicine, Dept. of Pediatrics
University of South Carolina
Columbia, SC 29208
(800) 922-9234 ext. 201

Information specialists drespond to individual requests and assist families in accessing services such as parent support and training, advocacy, health care, finance, technology, and others. Produces and disseminates bibliographies, fact sheets, and articles on related topics.

National Information System for Vietnam Veterans and Their Families
Center for Developmental Disabilities
School of Medicine, Dept. of Pediatrics
University of South Carolina
Columbia, SC 29208
(800) 922-9234 ext. 401

Information specialists respond to requests for information about identifying, understanding, and accessing services for families of Vietnam Veterans who have children with disabilities or special health care needs. Produces and disseminates fact sheets.

National Organization on Disability (NOD)
910 16th Street NW, Suite 600
Washington, DC 20006-2988
(202) 293-5968
(202) 293-5968 (TDD)

Offers information and referral services to all individuals with disabilities. The mission is to promote the full participation of American people with physical, sensory, or mental disablities in all aspects of life. No direct services are provided, referrals only.

National Rehabilitation Information Center (NARIC)
8455 Colesville Road, Suite 935
Silver Spring, MD 20910
(301) 588-9284 (voice/TDD)
(800) 34-NARIC (voice/TDD)

NARIC is a rehabilitation information service and research library funded by the National Institute of Disability and Rehabilitation Research, U.S. Department of Education. It provides access to NIDRR-funded reports and information on assistive devices, and disseminates other rehabilitation-related information resources. Most of NARIC's database information is available on the ABLE INFORM BBS.

National Spinal Cord Injury Association
545 Concord Avenue
Suite 29
Cambridge, MA 02138
(617) 441-8500
(800) 441-3449 (fax)

Provides information or referrals for the direct care of persons who have paraplegia or quadriplegia. Publishes a variety of materials, has local chapters, and provides training for ADA compliance.

National Technical Institute for the Deaf (NTID)
Rochester Institute for the Deaf - Div. of Public Affairs
LBJ Building
52 Lomb Memorial Drive
Rochester, NY 14623-5604
(716) 475-6400 (voice)
(716) 475-2185 (TDD)

The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society. Funded by the U.S. Department of Education. Publishes a list of captioned educational videotapes.

PACER Center
4826 Chicago Avenue South
Minneapolis, MN 55417
(617) 827-2966
(800) 53PACER (in Minnesota)

PACER provides information, training, and assistance to parents of children with disabilities. Has a computer and technology center. Advice is also offered in the areas of appropriate education and interpretation of legal rights.

PAM Assistance Centre
Physically Impaired Association of Michigan
601 W. Maple
Lansing, MI 48906
(800) 274-7426
(517) 371-5897

Provides information and technical assistance to people with disabilities and service providers in the selection, development, or adaptation of devices.

Research and Training Center
Stout Vocational Rehabilitation Institute
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
(715) 232-1389

Vocational evaluation and work adjustment: collects, develops, and disseminates information and materials on vocational evaluation and work adjustment, including the use of technology.

Southwest Educational Development Lab/Regional Rehabilitation Exchange
211 E. 7th Street
Austin, TX 78701-3281
(512) 476-6861

This project develops and tests practices for daily living and exemplary programs. Technical assistance is provided and disseminated through a newsletter for Texas, New Mexico, Arkansas, Louisiana, and Oklahoma.

TASH (The Association for Persons with Severe Handicaps)
29 W. Susquehanna Avenue
Suite 210
Baltimore, MD 21204
(410) 838-8274

A non-profit, membership organization. Ongoing concerns include: advocacy for education and habilitation; support for educators, parents, and service providers; full participation in community settings; use and sharing of experience. Provides information and referral services, publishes a monthly newsletter and quarterly journal, and has chapters around the country.

Technical Resource Centre
200, 1201 - 5th Street SW
Calgary, AB T2R 0Y6
CANADA
(403) 262-9445
(403) 262-4539 (FAX)

Does assessments and provides technical aids to help persons with disablilities better realize educational, vocational, social, and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

Tetra Society of North America
Plaza of Nations
Suite 27, 770 Pacific Blvd. South
Vancouver, BC V6B 5E7
CANADA
(604) 688-6464
(604) 688-6463 (FAX)

Tetra facilitates the formation of volunteer groups whose goal is to team technically inclined volunteers with people requiring simple assistive devices that they cannot find through regular channels. Either the device they need has not been invented, it needs to be adapted to their particular needs, or funding cannot be obtained to hire a rehabilitation professional.

The Arc
500 E. Border Street, Suite 300
Arlington, TX 76010
(817) 261-6003

Information and referrals available regarding assistive technology and mental retardation. Many publications related to mental retardation are also available.

The Hugh MacMillan Rehabilitation Centre
350 Rumsey Road
Toronto, ON M4G 1R8
CANADA
(416) 424-3805

Two main programs offered. The Adaptive Communication Program provides services which include assessment and training for augmentative communication devices. The Microcomputer Applications Program is a research and development group that develops ways for people with disabilities to access and use computer systems.

Trace Research and Development Center
1500 Highland Avenue
S-151 Waisman Center
Madison, WI 53705
(608) 262-6966 (voice)
(608) 263-5408 (TDD)

The Trace Center is a research and resource center on technology and disability. The center's chief area of specialty is access to computers and information systems. Activities include research, product development, creating and distributing information materials, and answering questions from consumers and service providers. Operates a publication service; ask for Publications and Media brochure.

Volunteers for Medical Engineering (VME)
c/o Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218

Voluntary association of engineers and medical professionals dedicated to research and development of new technology for people with disabilities. Services include custom design and modifications, computer loans, and a home automation demonstration center.

World Institute on Disability
510 16th St, Suite 100
Oakland, CA 94612
(510) 763-4100
(510) 763-4109 (FAX)

Worldwide Disability Solutions Group
Apple Computer, Inc.
20525 Mariani Avenue, MS 38-DS
Cupertino, CA 95014
(800) 600-7808

Through this office, Apple works with key education, rehabilitation, and advocacy organizations to identify the computer-related needs of disabled individuals and to assist in the development of responsive programs.

Professional Associations

This resource list provides information on professional associations in the areas of augmentative communication, computer access, rehabilitation, and general disability issues. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

American Academy for Cerebral Palsy and Developmental Medicine
6300 N. River Road
Suite 727
Rosemont, IL 60018
(708) 282-0036

Professional organization concentrating on the latest developments in the treatment of cerebal palsy and developmental medicine.

American Occupational Therapy Association (AOTA)
4720 Montgomery Lane
Bethesda, MD 20824
(301) 652-2682
(800) 377-8555 TDD

AOTA is a nationwide organization of professionals concerned wih all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy. Membership includes a special interest section on technology.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
(301) 897-5700
(800) 638-8255

National association of professionals working in speech, language, and hearing fields. Membership includes many specialists in augmentative communication. Consumer Affairs Division disperses information and will provide referrals to certified speech-language pathologists and audiologists.

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
(703) 620-3660

A major national association of special education teachers, university faculty, researchers, administrators, and university students training to be teachers. Publishes "Exceptional Children" and "Teaching Exceptional Children."

Internat'l Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762
Station R
Toronto, ON M4G 4A3
CANADA
(905) 737-9308
(905) 737-0624 (FAX)

The purpose of ISAAC is to advance the field of augmentative and alternative communication, to facilitate information exchange, and to focus attention on work in the field. Membership is international. Activities include conferences and publications.

RESNA
1700 N. Moore Street #1540
Arlington, VA 22209-1903
(703) 524-6686

An association for the advancement of rehabilitation technology. Its membership includes rehabilitation professionals, service providers, researchers, vendors, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for people with diabilities through the application of science and technology, and to influence policy relating to the delivery of technology and services.

United States Society for Augmentative and Alternative Communication (USSAAC)
Conferences, Inc.
P.O. Box 5271
Evanston, IL 60204-5271
(708) 869-2122
(708) 869-2161 (FAX)

The purpose of USSAAC is to bring together individuals who are committed to providing communication for people with disabilities. Professionals, families, and consumers are linked through a national database. USSAAC membership includes membership in ISAAC.

Volunteers for Medical Engineering (VME)
c/o Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218

Voluntary association of engineers and medical professionals dedicated to research and development of new technology for people with disabilities. Services include custom design and modifications, computer loans, and a home automation demonstration center.

Resources on the Americans with Disabilities Act

The following organizations offer information on complying with the Americans with Disabilities Act. Contact each resource for further information.

National:

National Council on Disabilities
800 Independence Avenue SW
Suite 814
Washington, D.C. 20591

National Institute of Building Science
1201 L Street NW
Suite 400
Washington, D.C. 20005

U.S. Chamber of Commerce
1615 H. Street NW
Washington, D.C. 20062

National Easter Seals Society
Publications Department
70 E. Lake Street
Chicago, IL 60601

The President's Committee on Employment of People with Disabilities
Washington, D.C. 20036-3470

Disability and Business Technical Assistance Centers:

Region I - CT, ME, MA, HN, RI, VT

University of Southern Maine
Muskie Institute of Public Affairs
145 Newbury Street
Portland, ME 04101
(207) 874-6535 V/TDD
(207) 874-6529 Fax

Region II - NJ, NY, Puerto Rico

United Cerebral Palsy Assoc. of NJ
354 South Broad Street
Trenton, NJ 08608
(609) 392-4004 V/TDD
(609) 392-3505 Fax

Region III - DE, DC, MD, PA, VA, WV

Independence Center of Northern VA
2111 Wilson Boulevard, Suite 400
Arlington, VA 22201
(703) 525-3268 V/TDD
(703) 525-6835 Fax

Region IV - AL, FL, GA, KY, MS, NC, SC, TN

United Cerebral Palsy Assoc., Inc.
National Alliance of Business
1776 Peachtree Road, Suite 310N
Atlanta, GA 30309
(404) 888-0022, (404)888-9007 TDD
(404) 888-9091 Fax

Region V - IL, IN, MI, MN, OH, WI

University of IL at Chicago/UAP
1640 West Roosevelt Road (M/C627)
Chicago, IL 60608
(312) 413-1407, (312)413-0453 TDD
(312) 413-1326 Fax

Region VI - AR, LA, NM, OK, TX

2323 South Sheperd Boulevard, Suite 100
Houston, TX 77019
(713) 520-0232, (713) 520-5136 TDD
(713) 520-5785 Fax

Region VII - IA, KS, NE, MO

University of Missouri at Columbia
4816 Santana Drive
Columbia, MO 65203
(314) 882-3600 V/TDD
(314) 884-4925 Fax

Region VIII - CO, MT, ND, SD, UT, WY

Meeting the Challenge, Inc.
3630 Sinton Road, Suite 103
Colorado Springs, CO 80907-5072
(719) 444-0252, (719)444-0268 TDD
(719) 444-0269 Fax

Region IX - AZ, CA, HI, NV, Pacific Basin

Berkeley Planning Associates
440 Grand Ave., Suite 500
Oakland, CA 94610
(510) 465-7884, (510) 465-3127 TDD
(510) 465-7885

Region X - AK, ID, OR, WA

Washington State Governor's Committee
PO Box 9046
Olympia, WA 98507-9046
(206) 438-3168, (206) 438-3167 TDD
(206) 438-4014 Fax

Materials Development Projects

Employment

Cornell University
School of Industrial & Labor Relations
106 Extension
Ithica, NY 14853-3901
(607) 255-7727, (607) 255-2891 TDD
(607) 255-2763 Fax

Public Accommodation and Accessibility

Barrier Free Environments, Inc.
Water Garden, Highway 70 West
Raleigh, NC 27622
(919) 782-7823 V/TDD
(919) 878-1984 Fax

National Training Projects

Peer and Family Training Network

Parent Information Center
151A Manchester Street
PO Box 1422
Concord, NH 03301
(603) 224-7005 V/TDD
(603) 224-4365 Fax

Local Capacity-Building for Independent Living Centers

National Council on Independent Living
3607 Chapel Road
Newton Square, PA 19073
(610) 353-6066, (610) 353-6083 TDD
(610) 353-6753 FAX

ADA Technical Assistance Contract

Abt Associates, Inc.
55 Wheeler Street
Cambridge, MA 02138-1168
(617)492-7100, (617)354-6618 TDD
(617)492-5219 Fax

ADA Technical Assistance Grants

ADA Technical Assistance Grants
Contact: David Esquith
MES 3424
NIDRR
330 C Street SW
Washington, DC 20202-2572
(202) 205-8801, (202) 205-5316 TDD

Service Centers for Augmentative Communication and Computer Access

This list includes basic information on clinical programs that provide services in the areas of computer access for disabled persons and augmentative communication for non-vocal persons. The list is organized by state. Contact particular centers to determine if their services will suit your needs. No recommendations or endorsements are implied by inclusion on this list.

Alabama

Augmentative Communication Service
2430 11th Avenue North
Birmingham, AL 35234
(205) 251-0165

A full time diagnostic agency specializing in augmentative communication.

Arizona

Children's Achievement Center
3825 East Second Street
Tucson, AZ 85716
(520) 325-1517
(520) 795-4702 (FAX)

This center is primarily for preschool aged children with neuromuscular and developmental delays. Based on the child's needs, an individual program is devised in the areas of physical and occupational therapy, speech and language, and special education. Part of the Blake Foundation

Upward Foundation
6306 North Seventh Street
Phoenix, AZ 85014
(602) 279-5801
(602) 279-0785 (FAX)

Rehabilitation and educational center for young children with disabilities. Evaluations done on children with special needs; including augmentative communication.

California

Augmentative and Alternative Communication Assessment Program
Los Angeles Unified School District
c/o Widney High School
2302 South Gramercy Place
Los Angeles, CA 90018
(213) 732-1976

This program serves individuals aged 3 - 21 yrs. A full team of specialists perform evaluations, and fitting and training for equipment.

Augmentative Communication and Technology Services (A.C.T.S.)
350 Santa Ana Ave.
San Francisco, CA 94127-1953
(415) 333-7739
(415) 333-3456 (FAX)

A community-based service delivery model, providing AAC assessment and intervention to children in the San Francisco Bay Area. Also provides training to families, staff and assists school districts in meeting the needs of students using augmentative communication and adaptive technology.

Communication/Control Service
Rehabilitation Engineering Center
Children's Hospital at Stanford
725 Welch Road
Palo Alto , CA 94304
(415) 497-8199
(415) 497-8170

Provides equipment and associated services for people with physical disabilities and/or speech impairments, including evaluations for computer access, augmentative communication systems, equipment training and consultation/therapy for schools.

SDSU Assistive Device Assessment Program
Clinical Training Center
College of Human Services
San Diego State University
San Diego, CA 92182
(619) 594-6151

This organization runs tests and makes referrals covering all the bases on physical/mental disabilities and development.

Speech, Hearing, & Neurosensory Center
Speech-Language Pathology Department
Children's Hospital & Health Center
3020 Children's Way
San Diego, CA 92123
(619) 576-5837

Speech, language, and voice evaluation and treatment for all disorders, aural rehabilitation, and augmentative communication.

Technical Resource and Activity Center of Stockton
510 Magnolia St.
Stockton, CA 95202
(209) 948-3971
(209) 948-3805

Provides assistive technology services to individuals who are served by the regional centers. Services include: assessment of AAC, environmental control and access, adaptive computer access, work access and control, seating, positioning and mobility needs, wheelchair repair and modification, instruction and information and referral services.

UCLA Intervention Program
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
(310) 825-4821

This program works with young children (18 mo. - 5 yrs.) who have either physical or mental disabilities. A team of specialists work in all rehabilitation areas including computer instruction.

Colorado

Assistive Technology Clinics
The Children's Hospital
1056 East 19th Avenue, B-410
Denver, CO 80218
(303) 861-6250

Perform evaluations and provides augmentative communication, learning enhancement training therapy and mobility training. Evaulations in the areas of seating, positioning and mobility, environmental control units, access, augmentative communication and learning enhancement.

Communication Enhancement Center
Boulder Community Hospital
Mapleton Center for Rehabilitation
311 Mapleton Avenue - PO Box 9130
Boulder, CO 80301
(303) 441-0230
(303) 443-0561

This medical center accepts inpatients and outpatients; deals with disabilities caused through physical and disease related injury (i.e. head trauma, stroke, and spinal cord injury).

Fitzsimmons Army Medical Center
Speech Language Rehabilitation Section
Otolaryngology Service
Peoria & Colfax
Aurora, CO 80045-5001
(303) 361-8120

Provides diagnostic and treatment services to all ages. Services include rehabilitation engineering.

Poudre Valley Hospital
1024 Lemay Avenue
Fort Collins, CO 80524
(303) 495-7000

Provides diagnostic services to all ages.

Connecticut

Adaptive Technology Laboratory (ATL)
Southern Connecticut State University
Engleman Hall, Room 5
501 Crescent Street
New Haven, CT 06515
(203) 392-5799

Conducts service and education programs on adaptive technology for persons with learning, visual, and physical disabilities. Conducts computer access evaluations and training of persons with disabilities.

District of Columbia

National Rehabilitation Hospital
102 Irving St., NW
Washington, DC 20010-2949
(202) 877-1440
(202) 291-2836 (FAX)

Offers evaluations and treatments to adults with brain injury, stroke, geriatric-related conditions and other neurologic conditions. Services are provided on either an inpatient or outpatient bais.

Florida

Assistive Technology Educational Network of Florida
434 N. Tampa Avenue
Orlando, FL 32805
(407) 849-3504
(800) 328-3678 (in state)

Statewide center serving students ages 3 - 21 with assistive technology needs. Services include resource lab, loan library, training, and technical support.

Florida Diagnostic and Learning Resources Services (FDLRS)
5555 SW 93th Avenue
Miami, FL 33165
(305) 274-3501

Offers evaluation for adaptive computer access and augmentative communication for Exception Education Students, inservice training, public domain copying, and computer infromation resources.

Illinois

Alan J. Brown Center for Alternative Communication & Environmental Control
Rehabilitation Institute of Chicago
345 East Superior Street, Room 980
Chicago, IL 60611
(312) 908-2556

Center for augmentative communication, computer access, ECUs, and adapted toys. Offers evaluation, training, courses, and tutorials.

Du Page Easter Seal Rosalie Dold Center for Children
830 S. Addison Ave.
Villa Park, IL 60181
(708) 620-4433

The center specializes in the use of personal computers in therapy with children ages 0 - 3.

Infinitec
United Cerebral Palsy Association of Greater Chicago
155 N. Wacker Drive
Chicago, IL 60606
(312) 368-0380

Functions include: assistive technology exhibits, community service, communication devices, library and resource center, policy area, product testing and evaluation, and technology exchange network. Resource for manufacturers, service providers, rehab professionals, technology suppliers, payer sources, and people with disabilities.

Institute on Disability - Assistive Technology Unit
University Affiliated Program
University of Illinois at Chicago (M/C 627)
1640 W. Roosevelt Rd, Room 412
Chicago, IL 60608-1396
(312) 413-1555
(312) 413-0453 (TDD)

Provides evaluation and fabrication services in home, school, office and manufaturing settings. Services provided in seating, positioning, mobility; environmental control; computer access; and augmentative communication.

State of Illinois Mental Health and Developmental Center,
Rehabilitation Services
c/o Speech/Hearing Dept.
1000 North Main Street
Anna, IL 62906
(618) 833-5161

Inpatient services only. Screening, evaluations, speech/language therapy, and audiology services.

Indiana

Fort Wayne State Hospital & Training Center
Speech and Hearing Department
4900 St. Joe Road
Ft. Wayne, IN 46835
(219) 485-7554, ext. 647

This department deals with augmentative communication use with MR/DD clients.

Porter County Special Education Coop.
750 Ransom Road
Valparaiso, IN 46383
(219) 464-9607

Provides diagnostic evaluations for students in the area of speech and language, including augmentative communication.

Rehabilitation Technology Centers
615 North Michigan St.
South Bend, IN 46601
(219) 284-7134
(219) 284-3259

The centers work with seating/positioning, augmentative communication, environmental modifications, computer access, job/home evaluations, ADA consultation. Centers are also located in Indianapolis: (317) 845-3408, and Fort Wayne: (219) 471-5109.

Kansas

Augmentative Communication Program
Heartspring
2400 Jardine Drive
Wichita, KS 67219
(316) 262-8271
(800) 835-1043

Assessment, consultation, and treatment.

The Capper Foundation
T.M. Murrell Assistive Technology Center
3500 S.W. 10th Avenue
Topeka, KS 66604-1995
(913) 272-4060

Provides resource, evaluation, consultation and training services in a number of areas including augmentative communication, computer access, positioning, environmental control, educational technology, recreation and leisure, vocational assistance, and adaptive engineering. Also capable of loaning equipment. Outreach team will travel to any location in Midwest.

Kentucky

Redwood School and Rehabilitation Center
71 Orphanage Road
Fort Mitchell, KY 41017
(606) 331-0880

A diagnostic center serving people with multiple disabilities. Serves preschool through adult.

Louisiana

LSU Medical Center
Louisiana State University
Dept. of Communicative Disorders
New Orleans, LA 70112
(504) 568-4337
(504) 568-4348

Clinical assessment, evaluations, and therapy are provided in audiology, speech/language services, and augmentative communication. Hearing aid dispensing.

Maryland

Kennedy Krieger Institute
707 North Broadway
Baltimore, MD 21205
(410) 550-9400
(800) 873-3377

Regional and national resource center that evaluates, diagnoses, and treats children and adolescents with disorders of the brain and helps them participate as fully as possible in family, school, and community life. Program settings include inpatient, outpatient, day hospital, home health, school and community services. Offers services to youngsters with Head Injuries, Pediatric Feeding Disorders, Metabolic and Degenerative Diseases, Cerebral Palsy, and Neurobehavioral problems.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
(410) 554-3000

Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

United Cerebral Palsy of Central Maryland
18 Delrey Avenue
Catonsville, MD 21228
(410) 744-3151

Evaluations for augmentative communication.

Massachusetts

Adaptive Design
c/o Massachusetts Hospital School
3 Randolf Street, Box 09
Canton, MA 02021
(617) 828-2440

Provide augmentative communication and other adaptive device services to the Hospital School and to other schools in the state.

Communication Enhancement Center
Children's Hospital
300 Longwood Avenue
Boston, MA 02115
(617) 355-6466
(617) 355-6486

Evaluations for augmentative communication and writing sytems. Clients include non-vocal people and those with physical disabilities. Also, evaluations to increase an individual's educational/vocational success via use of computer software and hardware.

Franciscan Children's Hospital and Rehabilitation Center
30 Warren Street
Brighton, MA 02135
(617) 254-3800

Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

Project Tech
Massachusetts Easter Seal Society
484 Main Street, 6th Floor
Worcester, MA 01608
(508) 757-2756

Provides assistive technology services to children and adults with disabilities in Massachusettes. TechTalk provides augmentative communication evaulations, consultations, inservice training, and direct treatment. AssisTech provides computer access solutions.

Synergy-Adaptive Technology Services
68 Hale Road
East Walpole, MA 02032
(508) 668-7424
Clinical assessment, evaulation, and training for adaptive equipment. Also offers customized integrated systems for communication, computer access, and/or environmental controls.

Michigan

Assistive Technology Resource Center
Riley Center
9601 Vine
Allen Park, MI 48101
(313) 928-0841
(313) 928-0408

This center provides a variety of services in augmentative and alternative communication and assistive technology to the school districts in Wayne County.

Communication Enhancement Center
Oakland Schools
2100 Pontiac Lake Road
Waterford, MI 48328
(810) 858-1901

Augmentative/alternative communication services, including evaluations. Demonstration center for technology and materials.

Mott Children's Health Center
806 Tauri Place
Flint, MI 48503
(810) 767-5750

Speech therapy and evaluations for school aged children.

Minnesota

Courage Center
3915 Golden Valley Road
Golden Valley, MN 55422
(612) 520-0520

Variety of rehabilitation programs for children and adults, including computer access, augmentative communication, speech/language therapy,and occupational and physical therapy. Compuplay computer classes and Lekotek toy lending library also available. Physiatry services are also available. Evaluations given.

Rum River Special Education Cooperative
315 17th Lane NE
Cambridge, MN 55008
(612) 689-3600

Seven-member school district provides services/consultants for disabled students within three counties. Includes augmentative communication services.

Tamarack Habilitation Technologies, Inc.
1471 Energy Park Drive
St. Paul, MN 55108
(612) 644-9950
(612) 644-0240 (FAX)

Sometimes provides services for augmentative communication, control and computer access in coordination with other access and rehabilitation issues. Primary services are orthotics, prosthetics, and custom seating.

United Cerebral Palsy of Minnesota, Inc.
1821 University Avenue
Suite 286
St. Paul, MN 55104-3064
(612) 646-7588
(800) 328-4827 ext. 1437

No evaluations, but operates a four week loan bank of communication equipment for professionals in the area to allow assessment of the appropriateness of a device for a client.

Montana

Adaptive Computer and Communication Technology Program (ACCT)
The Rehabilitation Institute
3011 Baltimore
Kansas City, MO 64108
(816) 756-2250 ext. 247

Services include, but are not limited to: interdisciplinary team evaluations, technology training assistance in locating funding, comprehensive reports and information services regarding adaptive equipment.

Augmentative Communication Evaluation Program
Children's Mercy Hospital
2401 Gillham Road
Kansas City, MO 64108-9898
(816) 346-1300

Offers clinical assessment and evaluation for augmentative communication to patients whose speech is temporarily or permanently inadequate to meet their communication needs.

SSM Outpatient Rehab Center
350 Village Square Drive
Hazelwood, MO 63042
(314) 731-4555
(800) 258-8988 (for MO and IL)

A rehab center that provides services in physical, occupational, and communication therapy. Provides an augmentative communication clinic for both children and adults who have difficulty verbally communicating.

Nebraska

Barkley Speech-Language and Hearing Clinic
253 Barkley Memorial Center
University of Nebraska-Lincoln
Lincoln, NE 68583
(402) 472-5459

Evaluations for augmentative communication; speech/language therapy. Emphasis on academic and psychological concerns. The center mainly accepts local referrals.

Hattie B. Munroe Augmentative Communication Center
University of Nebraska Medical Center
600 South 42nd Street
Omaha, NE 68198-5450
(402) 559-6460

Provides services relating to augmentative communication, speech and computer access.

New Hampshire

Communication Disorders Program
Crotched Mountain Rehabilitation Center
1 Verney Drive
Greenfield, NH 03047
(603) 547-3311

Offers services in augmentative communication. Individuals 18-44 with brain injury are served through the Adult Brain Injury Program; Children/young adults (ages 6-22) through the Crotched mountain Preparatory School and Rehabilitation Center.

New Jersey

Augmentative Communication Services
Children's Specialized Hospital
150 New Providence Road
Mountainside, NJ 07092-2590
(908) 233-3720 ext.250
(908) 233-3720 ext.339

Operates as a component of the Rehabilitation Technology Department. It offers team evaluations to children and adults needing AAC services. Services are available on an inpatient or outpatient basis. Outpatient services are open to both children and adults

Cerebral Palsy Association of Middlesex County
Oak Drive, Roosevelt Park
Edison, NJ 08837
(908) 549-6187

Comprehensive program that operates a private school, adult programs and an infant program. It also offers augmentative communication and seating assessment.

Communication Resource Center
Office of Education, Department of Human Services
10 Quakerbridge Plaza
CN 710
Trenton, NJ 08625
(609) 588-3157

This center provides clinical assessment and evaluation for augmentative devices. It also has the ability to loan devices for trial periods.

New Mexico

NMSU Speech and Hearing Center
New Mexico State University
PO Box 3001, Dept. 3SP
Las Cruces, NM 88001
(505) 646-2402

Speech and hearing center. Performs evaluations for augmentative communication devices.

New York

Adaptive Living
2 Charles Street
P.O. Box 60857
Rochester, NY 14608-1717
(716) 235-7270
(716) 458-5455

Rehabilitation engineering practice that offers evaluations, consultations, accessbility audits, retail services, installation and training, design/fabrication, and seminars. Serves people with disabilities, health and vocational professionals, educators, businesses, and others.

Assistive Technology Dept.
Enable
1603 Court Street
Syracuse, NY 13208
(315) 455-7591

Evaluations for augmentative communication and computer access.

Augmentative Communication Center/Program
Queen's College, CAS
65-30 Kissena Boulevard
Flushing, NY 11367
(718) 520-7358

Evaluations and treatment for augmentative communication, speech/language therapy, graduate education program, SLP.

SUNY-Buffalo Department of Occupational Therapy
515 Stockton Kimball Tower
State University of New York - Buffalo
Buffalo, NY 14214
(716) 831-3141

Provides services to people with physical and cognitive disabilities to enable them to return to work. Includes assessments for computer adaptation.

The Gibraltar A.C.C.
Assistive Communication Center
UCPA of WNY, INC
4635 Union Road (children)-or-7 Community Drive (adult)
Buffalo, NY 14225
(716) 633-4448 (children)
(716) 894-0139 (adult)

This center offers services to non-speaking children and adults; including assessment, training, and follow-up. It also acts as a referral to other sources of assistance.

North Carolina

Clinical Center for the Study of Development and Learning
CB #7255, Biological Science Research Center
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7255
(919) 966-5171 (clinic)

National diagnostic and treatment center. Provides evaluations in many areas, including augmentative communication.

Oregon

Good Samaritan Hospital
1015 N.W. 22nd Avenue
Portland, OR 97210
(503) 229-7711

Many diagnostic programs offered. Evaluations and computer access.

Pennsylvania

IMPART Services
United Cerebal Palsy of the Capital Area
925 Linda Lane
Camp Hill, PA 17011
(717) 737-3477

IMPART Services (Independence, Mobility, and Productivity through Applied Rehabilitation Technology) provides evaluations and recommendations to enable persons with disabilities to be independent through the use of technology. Evaluations and follow-up training are provided in the person's home or other appropriate locations.

Pennsylvania Technology Program (PennTECH)
6340 Flank Drive
Suite 600
Harrisburg, PA 17112
(715) 541-4960
(800) 222-7372 (in PA only)

Statewide program providing technical assistance, training, consultation, textbook production, and workshops pertaining to assistive technology. Purchase of assistive devices for student use.

Tennessee

University of Tennessee Rehabilitation Engineering Center
682 Court Avenue
Memphis, TN 38163
(901) 448-6445
(901) 448-8781 (FAX)

Seating and communication aids for people with disabilities.

Texas

Callier Center for Communication Disorders
1966 Inwood Road
Dallas, TX 75235-7798
(214) 883-3000

Evaluation and therapy for people with speech and language problems. Will perform evaluations for augmentative communication devices.

The Freedom Center
2219 Babcock Road
San Antonio, TX 78229
(512) 614-7138
(512) 614-1910

Augmentative communication evaluations and training, plus training in other areas such as mobility, self-care, work and leisure.

Washington

Assistive Technology Clinic
Dept. of Rehab. Medicine, 356490
University of Washington Medical Center
Seattle, WA 98195-6490
(206) 543-3674
(206) 534-3134

This clinic offers sevices to adults, including evaluations, prescriptions for wheelchair seating, mobility, augmentative communication, computer interfaces, and implementation in clients' environments.

CBAT, Inc.
140 S. Arthur
Suite 420
Spokane, WA 99202
(509) 533-1409
(800) 500-1453

Offers client evaluation, equipment set-up and configuration, client equipment training, and follow-up. E-mail to cbenson@cbat.com

Children's Adaptive Technology Service (CATS)
Children's Hospital and Medical Center
Mail Stop CH-89
4800 Sand Point Way NE
Seattle, WA 98105-0371
(206) 526-2104
(206) 526-2190

Services relating to adaptive technology for children and adolescents, including power mobility, positioning, augmentative communication, and computer access.

Wisconsin

Augmentative Alternative Communication Clinic
Dept. of Communication Disorders
UW-Eau Claire
121 HSS Building
Eau Claire, WI 54702-4004
(715) 836-4186
(715) 836-4846 (FAX)

Clinical assessment and evaluation of individuals with limited ability to speak, write, keyboard, or dial. E-mail to kingtw@uwec.edu.

Center for Augmentative and Alternative Communication
School of Communicative Disorders
UW-Stevens Point
Stevens Point, WI 54481
(715) 346-3667

Clinical assessment and intervention services for individuals requiring augmentative or alternative communication strategies.

Cerebral Palsy, Inc.
2801 South Webster Avenue
Green Bay, WI 54301
(414) 337-1122

Offers diagnostic assessment in: toys and switches, introductory communication aides, access to adaptive computers and switch interface. Alternative and augmentative communication evaluation and training for all ages and disabilities. Training, education and technical support for families and related professionals.

SSM Outpatient Rehab Center
350 Village Square Drive
Hazelwood, MO 63042
(314) 731-4555
(800) 258-8988 (for MO and IL)

A rehab center that provides services in physical, occupational, and communication therapy. Provides an augmentative communication clinic for both children and adults who have difficulty verbally communicating.

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Comprehensive program that operates a private school, adult programs and an infant program. It also offers augmentative communication and seating assessment.

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10 Quakerbridge Plaza
CN 710
Trenton, NJ 08625
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Rochester, NY 14608-1717
(716) 235-7270
(716) 458-5455

Rehabilitation engineering practice that offers evaluations, consultations, accessibility audits, retail services, installation and training, design/fabrication, and seminars. Serves people with disabilities, health and vocational professionals, educators, businesses, and others.

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Buffalo, NY 14214
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Buffalo, NY 14225
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University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7255
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National diagnostic and treatment center. Provides evaluations in many areas, including augmentative communication.

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San Antonio, TX 78229
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(512) 614-1910

Augmentative communication evaluations and training, plus training in other areas such as mobility, self-care, work and leisure.

Washington

Assistive Technology Clinic
Dept. of Rehab. Medicine, 356490
University of Washington Medical Center
Seattle, WA 98195-6490
(206) 543-3674
(206) 534-3134

This clinic offers sevices to adults, including: evaluations, prescriptions for wheelchair seating, mobility, augmentative communication, computer interfaces, and implementation in clients' environments.

CBAT, Inc.
140 S. Arthur
Suite 420
Spokane, WA 99202
(509) 533-1409
(800) 500-1453

Offers client evaluation, equipment set-up and configuration, client equipment training, and follow-up. E-mail to cbenson@cbat.com.

Children's Adaptive Technology Service (CATS)
Children's Hospital and Medical Center
Mail Stop CH-89
4800 Sand Point Way NE
Seattle, WA 98105-0371
(206) 526-2104
(206) 526-2190

Services relating to adaptive technology for children and adolescents, including power mobility, positioning, augmentative communication, and computer access.

Wisconsin

Augmentative Alternative Communication Clinic
Dept. of Communication Disorders
UW-Eau Claire
121 HSS Building
Eau Claire, WI 54702-4004
(715) 836-4186
(715) 836-4846 (FAX)

Clinical assessment and evaluation of individuals with limited ability to speak, write, keyboard, or dial. E-mail to kingtw@uwec.edu.

Center for Augmentative and Alternative Communication
School of Communicative Disorders
UW-Stevens Point
Stevens Point, WI 54481
(715) 346-3667

Clinical assessment and intervention services for individuals requiring augmentative or alternative communication strategies.

Cerebral Palsy, Inc.
2801 South Webster Avenue
Green Bay, WI 54301
(414) 337-1122

Offers diagnostic assessment in: toys and switches, introductory communication aides, access to adaptive computers and switch interface. Alternative and augmentative communication evaluation and training for all ages and disabilities. Training, education and technical support for families and related professionals.

Communication Aids and Systems Clinic
Trace Center
S-121 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 263-2522

Multi-disciplinary team provides evaluations, treatment and consultative services for individuals of all ages who need augmentative communication systems, computer access or writing in a totally integrated system.

Curative Rehabilitation Services
1000 North 92nd Street
Milwaukee, WI 53226
(414) 259-1414

Offers diagnostic assessment in a variety of areas, including augmentative communication, computer access and environmental control.

Enabling Technology
Sacred Heart Hospital
900 W. Clairmont Ave.
Eau Claire, WI 54701
(715) 839-4365

Provides interdisciplinary evaluation and training services for enabling technologies. Environmental control, seating and positioning, augmentative communication systems, switch activation, and computer access are addressed.

Independent Living Program
Curative Rehabilitation Center
2900 Curry Lane
P.O. Box 8027
Green Bay, WI 54308
(414) 468-1161 ext. 132

Provides services relating to the fitting and positioning of computer access devices to individuals sixteen years of age or older in Northeastern Wisconsin and the Fox Valley. Also works for funding advocay. Site for WisTech and WisTech Tryout.

Marshfield Clinic
Speech Pathology Dept.
1000 N. Oak St.
Marshfield, WI 54449
(715) 387-5128

Provides services in augmentative communication and computer access.

Trace Center Communication Development Program
S-157 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966

Provides community based services in augmentative communication for preschool-aged and adult individuals living in Dane County, Wis.

Canada

Bloorview Children's Hospital
25 Buchan Court
Willowdale, ON M2J 4S9
CANADA
(416) 494-2222

A chronic care facility for children and young adults with multiple disabilities. On site clinic for evaluation and prescription of augmentative devices, as well as addressing issues of computer access.

Gorge Road Hospital
63 Gorge Road East
Victoria, BC V9A 1L2
CANADA
(604) 386-2464

Adult extended care and rehabilitation hospital. Offers speech/language therapy and occupational therapy to disabled adults. Also provides assessment and training for computer access, environmental controls and some augmentative communication.

The Hugh MacMillan Rehabilitation Centre
350 Rumsey Road
Toronto, ON M4G 1R8
CANADA
(416) 424-3805

Two main programs offered. The Adaptive Communication Program provides services which include assessment and training for augmentative communication devices. The Microcomputer Applications Program is a research and development group that develops ways for people with disabilities to access and use computer systems.

The Kinsman Rehabilitation Foundation of British Columbia
Technology for Independent Living Division
2256 West 12th Avenue
Vancouver, BC V6K 4L2
CANADA
(604) 736-8841
(606) 738-0015 (FAX)

Provides augmentative communication systems and environmental control systems for people with severe physical disabilities. Also Technology Consulting Services.

Technical Resource Centre
200, 1201 - 5th Street SW
Calgary, AB T2R 0Y6
CANADA
(403) 262-9445
(403) 262-4539 (FAX)

Does assessments and provides technical aids to help persons with disablilities better realize educational, vocational, social, and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

Technology-Related Assistance for Persons with Disabilities Act: State Programs

These federally funded state programs were created to help people overcome barriers when seeking technology related assistance. Different states have different programs in effect, including such things as support networks, information and demonstration centers, and loan banks.

Alabama

Alabama STAR System for Alabamians with Disabilities
2125 East South Boulevard
P.O. Box 20752
Montgomery, AL 36120-0752
(205) 288-0240
(205) 281-2276 (TDD)

Alaska

Assistive Technologies of Alaska
701 East Tudor Road
Suite 280
Anchorage, AK 99503-7445
(800) 770-0138
(907) 563-0146 (FAX)

American Samoa

American Samoa Assistive Technology Act Project
Division of Vocational Rehabilitation
Department of Human Resources
Pago Pago, 96799
American Samoa
(684) 633-2336
(684) 233-7874 (TDD)

Arizona

Arizona Technology Access Program (AzTAP)
2600 North Wyatt Drive
2nd Floor
Tucson, AZ 85712
(602) 324-3170
(602) 324-3177 (TDD)

Arkansas

Arkansas Increasing Capabilities Access Network (ICAN)
2201 Brookwood, Suite 117
Little Rock, AR 72202
(501) 666-8868
(800) 828-2799 (in state)

California

California Assistive Technology System (CATS)
California Department of Rehabilitation
Independent Living Division
830 K Street
Sacramento, CA 95814
(916) 327-3967
(916) 324-7386 (FAX)

Colorado

Colorado Assistive Technology Project
Rocky Mountain Resource and Training Institute
6355 Ward Rd, Suite 310
Arvada, CO 80004
(303) 420-2942
(303) 420-8675 (FAX)

Connecticut

Connecticut Assistive Technology Project
Bureau of Rehabilitation Services
10 Griffin Rd N
Windsor, CT 06095
(203) 298-2042
(203) 298-2018 (TDD)

Delaware

Delaware Assistive Technology Initiative
Applied Science and Engineering Laboratories
University of Delaware/A.I. duPont Institute
1600 Rockland Rd, Rm 154
Wilmington, DE 19899
(302) 651-6970
(302) 651-6794 (TDD)

District of Columbia

District of Columbia Partnership for Assistive Technology
801 Pennsylvania Avenue, SE
Suite 210
Washington, DC 20003
(202) 546-9164
(202) 546-9168 (TDD)

Florida

Florida Alliance for Assistive Services and Technology
2002-A Old St. Augustine Road
Tallahassee, FL 32399-0696
(904) 487-3278 (phone/TDD)
(904) 488-8062 (FAX)

Georgia

Georgia Tools for Life
Division of Rehabilitation Services
2 Peachtree St NW, Suite 23-411
Atlanta, GA 30303
(800) 726-9119
(404) 657-3085 (TDD)

Hawaii

Hawaii Assistive Technology Training & Service Project
677 Ala Moana Boulevard, Suite 403
Honolulu, HI 96813
(808) 532-7110 (phone/TDD)
(808) 532-7120 (FAX)

Idaho

Idaho Assistive Technology Project
129 W Third St
Moscow, ID 83843
(208) 885-3630
(208) 885-3621 (TDD)

Illinois

Illinois Assistive Technology Project
110 Iles Park Place
Springfield, IL 62718
(217) 522-7985 (voice/TDD)
(800) 852-5100 (in state)

Indiana

Indiana ATTAIN Project
Indiana Family and Social Services Administration
Division of Aging and Rehabilitation Services
402 W Washington St, Rm W453, PO Box 7083
Indianapolis, IN 46207-7083
(800) 545-7763
(317) 232-6478 (FAX)

Iowa

Iowa Program for Assistive Technology (IPAT)
Iowa University Affiliated Program
University Hospital School
Iowa City, IA 52242-1011
(800) 331-3027 (phone/TDD)
(319) 356-8284 (FAX)

Kansas

Assistive Technology for Kansas Project
2601 Gabriel
P.O. Box 738
Parsons, KS 67357
(316) 421-8367
(316) 421-0954 (FAX/TDD)

Kentucky

Kentucky Assistive technology Services (KATS) Network
427 Versailles Rd
Frankfort, KY 40601
(502) 573-4665 (phone/TDD)
(800) 327-5287 (in state)

Louisiana

Louisiana Assistive Technology Project
PO Box 3455, Bin #14
Baton Rouge, LA 70821-3455
(504) 342-8821
(800) 922-3425

Maine

Maine CITE Coordinating Center
Education Network of Maine
46 University Drive
Augusta, ME 04330
(207) 621-3195 (phone/TDD)
(207) 621-3193 (FAX)

Mariana Islands

Northern Mariana Islands Assitive Technology Project
Governor's Developmental Disabilities Council
P.O. Box 2565
Saipan, MP 96950
(670) 322-3014 (phone/TDD)
(670) 322-4168 (FAX)

Maryland

Maryland Technology Assistance Project (TAP)
Governor's Office for Handicapped Individuals
300 W Lexington St, Box 10
Baltimore, MD 21201
(800) TECH-TAP
(410) 333-6674 (FAX)

Massachusetts

Massachusetts Assistive Technology Partnership (MATP) Center
MATP Center, Children's Hospital
1295 Boylston Street
Suite 310
Boston, MA 02215
(617) 735-7153
(617) 735-6345 (FAX)

Michigan

Michigan TECH 2000 Project
Michigan Rehabilitation Services/TECH 2000
P.O. Box 30010
Lansing, MI 48909-7510
(517) 335-6874
(517) 373-4035 (TDD)

Minnesota

Minnesota STAR Program
300 Centennial Building
658 Cedar St
St Paul, MN 55155
(800) 331-3027 (phone/TDD)
(612) 282-6671 (FAX)

Missouri

Missouri Assistive Technology Project
4731 South Cochise
Suite 114
Independence, MO 64055-6975
(816) 373-5193
(800) 647-8557 (in state)

Mississippi

Mississippi Project START
P.O. Box 1000
Jackson, MS 39205-1000
(601) 987-4872 (phone/TDD)
(601) 364-2349 (FAX)

Montana

MonTECH
University of Montana, MUARID
634 Eddy Ave
Missoula, MT 59812
(406) 243-5676
(800) 732-0323 (TDD)

Nebraska

Nebraska Assistive Technology Project
301 Centennial Mall South
PO Box 94987
Lincoln, NE 68509-4987
(402) 471-3647
(402) 471-0117 (FAX)

Nevada

Nevada Assistive Technology Collaborative
Rehabilitation Division, Community-Based Services Development
711 South Stewart St
Carson City, NV 89710
(702) 687-4452
(702) 687-3388 (TDD)

New Hampshire

New Hampshire Technology Partnership Project
Institute on Disability
#14, Ten Ferry St
The Concord Center
Concord, NH 00301
(603) 244-0630 (phone/TDD)
(603) 226-0389 (FAX)

New Jersey

New Jersey Technology Assistive Resource Program
135 East State Street
CN 398
Trenton, NJ 08625
(609) 633-6959
(800) 382-7765 (TDD)

New Mexico

New Mexico Technology Assistance Program (NMTAP)
435 St. Michael Dr, Bldg D
Sante Fe, NM 87503
(800) 866-2253 (phone/TDD)
(505) 827-3746 (FAX)

New York

New York State TRIAD Project
NYS Office of Advocate for Persons with Disabilities
One Empire State Plaza, Suite 1001
Albany, NY 12223-1150
(518) 474-2825
(518) 473-4231 (TDD)

North Carolina

North Carolina Assistive Technology Project
Division of Vocational Rehabilitation Services
1110 Navaho Dr, Suite 101
Raleigh, NC 27609
(919) 850-2787 (phone/TDD)
(800) 852-0042

North Dakota

North Dakota Interagency Program for Assistive Technology
P.O. Box 743
Cavalier, ND 58220
(701) 265-4807 (phone/TDD)
(701) 265-3150 (FAX)

Ohio

Ohio T.R.A.I.N
Ohio Super Computer Center
1224 Kinnear Road
Columbus, OH 43212
(614) 292-2426 (phone/TDD)
(800) 784-3425 (in-state)

Oklahoma

Oklahoma ABLE Tech
Oklahoma State University
Wellness Center
1514 W. Hall of Fame
Oklahoma City, OK 74078-0618
(800) 316-4119
(405) 744-5511 (TDD)

Oregon

Oregon TALN Project
Chemeketa Community College, TALN Center
4000 Lancaster Dr NE
P.O. Box 14007
Salem, OR 97309-7070
(503) 399-4950 (phone/TDD)
(503) 399-6978 (FAX)

Pennsylvania

Pennsylvania's Initiative on Assistive Technology (PIAT)
Institute on Disabilities/UAP
Ritter Annex 433 (004-00)
Temple University
Philadelphia, PA 19122
(215) 204-1356 (phone/TDD)
(215) 204-9371 (FAX)

Puerto Rico

Puerto Rico Assistive Technology Project
University of Puerto Rico, Medical Sciences
College of Related Health Professions - Communication
Box 365067
San Juan, PR 00936
(800) 496-6035 (from US)
(800) 981-6033 (in PR)

Rhode Island

Rhode Island Assistive Technology Access Project
Rhode Island Department of Human Services
Office of Rehabilitation Services
40 Fountain St
Providence, RI 02903-1898
(401) 421-7005
(800) 752-8038 ext. 2608 (in state)

South Carolina

South Carolina Assistive Technology Project
Vocational Rehabilitation Department
PO Box 15
1410-C Boston Ave
West Columbia, SC 29171-0015
(803) 822-5404 (phone/TDD)
(803) 822-4301 (FAX)

South Dakota

DakotaLink
1925 Plaza Boulevard
Rapid City, SD 57702
(605) 394-1876
(800) 645-0673 (in state)

Tennessee

Tennessee Technology Access Project (TTAP)
710 James Robertson Parkway
Gateway Plaza, 11th Floor
Nashville, TN 37243-0675
(615) 532-6530
(800) 732-5059 (in state)

Texas

Texas Assistive Technology Partnership
University of Texas at Austin
Department of Special Education
EDB 306
Austin, TX 78712
(800) 828-7839
(512) 471-1844 (TDD)

Utah

Utah Assitive Technology Program
Utah State University
Center for Persons with Disabilities
UMC 6855
Logan, UT 84322-6855
(800) 333-UTAH (phone/TDD)
(801) 797-1982

Virginia

Virginia Assistive Technology System (VATS)
8004 Franklin Farms Drive
P.O. Box K-300
Richmond, VA 23288-0300
(804) 662-9993
(804) 662-9990 (TDD)

Vermont

Vermont Assistive Technology Program
103 South Mains Street
Weeks Building, First Floor
Waterbury, VT 05671-2305
(802) 241-2620 (phone/TDD)
(802) 241-3052 (FAX)

Washington

Washington Assistive Technology Alliance
DSHS/DVR
PO Box 45340
Olympia, WA 98504-5340
(800) 637-5627
(360) 438-8644 (TDD)

Wisconsin

Wisconsin Assistive Technology Program (WisTech)
Division of Vocational Rehabilitation
P.O. Box 7852
1 West Wilson, Room 950
Madison, WI 53707-7852
(608) 266-5395
(608) 266-9599 (TDD)

West Virginia

West Virginia Assistive Technology System (WVATS)
Division of Rehabilitation Services
P.O. Box 50890, State Capitol
Charleston, WV 25305-0890
(800) 841-8436
(304) 293-4692 (TDD)

Wyoming

Wyoming's New Options in Technology (WYNOT)
Division of Vocational Rehabilitation
1100 Herschler Building
Cheyenne, WY 82002
(307) 777-7450
(306) 777-5939 (FAX)

Training Programs in Technology for Special Education

This list contains information on both degree programs and workshops or other training opportunities in the area of computer applications for disabled persons. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Outreach (Activitating Children Through Technology)
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
(309) 298-1014

Training is offered to early childhood professionals and families which encourages the integration of technology in the pre-school curriculum. ACTT has developed a curriculum for ages birth-6 which utilize computers and special peripherals for communication and other skills.. The training programs can be taken for graduate credit if desired.

Augmentative Communication Program
Speech and Audiology Department
Fernald State School
Box 9108
Belmont, MA 02178
(617) 894-3600 ext. 2283

Offers augmentative communication consultations and inservice training to speech clinicians or other staff serving individuals with mental retardation within the Metropolitan Boston area. Referrals are made through the Massachusetts Dep. of Mental Retardation service coordinators or by contacting the coordinator at the above number.

Carroll Center for the Blind
70 Centre Street
Newton , MA 02158
(617) 969-6200

Various publications and rehabiliation and educational programs are available for persons who are blind or visually impaired. A computer training program, Project CABLE, provides computer assessment, training on adaptive devices and software, and word processing training. Summer training courses for youth are also offered.

Education Division
Johns Hopkins University
Center for Technology and Human Disabilities
2500 East Northern Parkway
Baltimore, MD 21214
(410) 516-8273
(410) 254-8466

University offers a Master's degree in Technology for Education and in Technology Rehabilitation.

Gallaudet University
800 Florida Avenue NE
School of Education and Human Services
Washington, DC 20002
(202) 651-5520

Offers Master's degrees in Educational Technology, Special Education Administration and Supervision, Deaf Education, Counseling. Offers Doctoral programs in Special Education Administration, and Deaf Education.

InterACT Training Program
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966
(608) 263-5408 (TDD)

The InterACT (Interdisciplinary Augmentative Communication and Technology) program allows University of Wisconsin-Madison students to earn a technology specialization with their degrees. Open to students in a variety of degree programs including: occupational therapy, physical therapy, speech/language, special education, and engineering.

TTAP Outreach: Technology Team Assessment Process
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
(309) 298-1634

Offers training on a cost-effective functional team technology assessment model. The model was developed to insure that children from birth to age eight receive a thorough team assessment and follow-up consultation as part of a comprehensive assessment process. Training is provided to assessment teams which include families, teachers, therapists, and a technology specialist.

Appendix C

Glossary

The glossary includes terminology found in the product descriptions which might be new or unfamiliar to many readers. It does not attempt to be all-inclusive for the field of computer applications in special education and rehabilitation or augmentative communication; rather it serves to clarify possible points of confusion in the ResourceBook.

Abbreviation expansion An abbreviation expansion program allows a person entering text or data on a computer or communication aid to enter a long string of characters (a "macro") by simply typing in one or a few defined characters (the abbreviation). This system can save the user typing time and effort.

Applications program Any program that enables the user to accomplish some task using a computer, but not a task relevant only to the computer's operation. For instance, a word processing program would be an applications program, because it enables the user to create, edit and print text. But a program that strictly performs the function of speaking the contents of the computer screen via a speech synthesizer (a "talking screen" program) pertains mainly to the way in which the computer functions, and therefore would not be considered an applications program.

Artificial Larynx An electronic device which generates a tone to replace or enhance lost vocal tone. The tone is transmitted from the device either directly to the user's throat or (via a tube) into the nose or mouth. The user articulates the tone into speech in the normal manner.

ASCII American Standard Code for Information Interchange. A standardized system which assigns letters, numbers, and various other characters each their own code. This allows information to be transferred successfully from one computer or peripheral to another via various interfaces. It is important to note, however, that simply because one device produces ASCII output and another accepts ASCII input does not mean that they will necessarily operate flawlessly with one another.

Auto-Repeat The feature on computer keyboards which causes a particular character to repeat for as long as its key is depressed. This feature is fairly universal; it usually takes effect after a short delay. Hardware and software systems which disable the auto-repeat function are available for some computers.

Baudot The information exchange code most commonly used by TDDs (Telecommunication Devices for the Deaf). Most TDDs transmit only Baudot, but some offer the option of transmitting ASCII code as well. ASCII is used by computers when they communicate telephonically. The two codes are not compatible.

Buffer A set of memory circuits which are designed to store excess input until it can be accepted, or excess output until it can be sent. A printer, for instance, may have a buffer for storing text which is being sent to it from a computer faster than the printer can physically print it.

CD-ROM (Compact Disk - Read Only Memory) A form of storage like a floppy disk except that it is usually permanent (read-only) and has high storage capacity (typically 650 megabytes). A CD-ROM disk looks like an ordinary stereo CD, however, a CD-ROM is used to store computer data rather than music.

Communication aid Any device or system which augments a person's ability to communicate. This term can cover non-electronic devices such as communication boards, or electronic devices such as portable communication systems which allow the user to print and speak typed-in text.

Control, controller Technically these terms may be used for any switch or switch-like device which is used to control some system (computer, wheelchair, etc.) Typically they are applied to devices which incorporate several switches and which control a system in several ways; for example, a joystick used to control a video game.

Cursor The graphic character on a computer screen which indicates the point at which text is being added or edited.

Database A body of information that is stored and manipulated on a computer. A database management program is typically used to enter, edit, store, and manipulate this information.

Digitizer See speech digitizer.

Direct Selection Any technique for selecting choices in which a person points directly to the desired choice. This contrasts with scanning, in which choices are offered sequentially and the user signals when the selection is reached. Methods of direct selection include pointing, pressing various keys on a keyboard, or eye gaze selection. Generally speaking, direct selection methods are faster than other selection techniques. See also scanning.

Disk, Diskette One type of system for storing data in electronic form. The term "hard disk" refers to a large-capacity disk that is permanently installed in a disk drive. "Floppy disk" or "diskette" are terms used to refer to the type of disk that can be removed from the disk drive when not in use. The term "disk" by itself usually refers to a diskette (see also CD-ROM).

Disk Drive The mechanism that spins a disk and allows the computer to read it.

DOS Disk Operating System. See operating system.

Download ??

Emulator A device which imitates the action of another. A terminal emulator, for instance, is a system which is not a terminal per se, but is designed to operate like one.

Encoding A type of technique for increasing the number of selections possible on an electronic communication aid. The user enters an alphanumeric code, and the characters of the code determine which letter, word, phrase, etc. is called up. Thus an electronic communication aid with ten keys might have 1000 possible selections, each formed by pressing some three-key combination. See also levels.

Firmware A program or programs stored in circuitry, rather than in a disk or tape storage system. Optional firmware for microcomputers is often sold as a circuit board (or "card") which fits in one of the several option slots inside the computer. This is not a strictly observed term; any program may be referred to as "software" (see software).

Hardware Any component of an electronic system (such as a computer system) which is tangible; e.g., a computer, a monitor, a disk drive, a printer, etc. This category contrasts with software, which describes those components which consist only of electronic signals; e.g., programs, text files, and other quantities of information that can be stored on a disk or in a computer's memory. Although a program on a floppy disk is commonly referred to as software, technically the disk is hardware and the program on it is software.

Host computer In a computer system where various terminals (or computers connected in a network) are used to send input to a central computer, the central computer is commonly referred to as the host computer. See also terminal.

Input Any information entered into a computer by the user or sent to the computer by another device. See output.

Interface The point at which two electronic devices, such as a computer and a printer, communicate with each other. Also, an electrical connector or adaptive device which allows the interface to work properly.

Internet The name given to a large network of computers that are connected by high-speed information or data lines. The Internet also refers to the different services or things you can do on the Internet. Some of these activities include electronic mail (also known as E-Mail), gopher servers and FTP (ways to access documents and download them to your own computer), and the World-Wide-Web (a collection of compatible information servers throughout the world). Contact local Internet providers for more information.

Jack In a male-female electrical connection, the jack is the female connector. See plug.

Keyboard Emulating Interface (KEI) If some device such as a communication aid is to be used as an alternate keyboard for a computer, some system is usually required to allow the two to communicate successfully. A KEI takes the keystrokes from the alternate keyboard and makes them appear to the computer as indistinguishable from keystrokes on the normal keyboard. Some communication aid systems contain a KEI. Others are designed to operate with a standard KEI (one which complies with the standard industry protocol). In the latter case, the aid plugs into the KEI, which plugs into the computer like a ordinary keyboard.

Keyguard A plate which fits over the top of a keyboard and has holes over some or all of the keys. A keyguard can allow the user a place to rest the hands while typing, but primarily it is designed to prevent inadvertent key presses caused by poor motor control or other factors. Key latches, devices which hold down keys such as SHIFT, are commonly available with keyguards, and can facilitate one-finger typing.

Keypad Not a strictly defined term, keypad usually refers to any keyboard having significantly fewer keys than a standard typewriter or computer keyboard. Anything called a keypad can also be accurately referred to as a keyboard or part of a keyboard. The term often refers to the special separate set of numeric or cursor keys on some computer keyboards (sometimes called the numeric keypad).

Latching See toggle.

LCD, LED Liquid Crystal Display and Light Emitting Diode. These are types of display systems. LEDs are the type of displays, commonly used on alarm clocks, which glow and come in various colors: red, blue, green, etc. LCD displays are common on calculators, but are gray and do not glow.

Levels A system similar to encoding whereby the number of potential selections on an electronic communication aid can be greater than the number of buttons, keys, or scanning positions it has. The user makes one selection to choose a level; each level then has a different programmed value for each key, button, etc. Levels are sometimes known as "pages."

Light Pen An input device operated by pointing to locations on a computer's video screen. The device resembles a pen, and requires some special program to operate. Commonly used to make selections from menus or to create graphics.

Load To transfer a program from storage in memory (for instance on disk) to a computer's RAM. A program must be loaded in order to be run. See also RAM.

Macro A string of characters triggered by a defined shorter set of characters. See also abbreviation expansion.

Mainframe A term frequently used to distinguish large computer systems from mini- or microcomputers. A mainframe system is often designed to receive input from a number of terminals.

Membrane keyboard A keyboard whose individual keys are located under a flexible surface with no openings in it. The user activates the keys by pressing on the membrane.

Memory A system for storing data (information or programs) electronically. Data may be stored on tapes, on disks, or in circuitry. The two types of memory in the circuitry of a computer are ROM and RAM (see these definitions).

Menu A set of selections presented to the user of a computer or electronic aid, usually on a screen or other electronic display. If a program is called "menu-driven," this usually means that the user can operate it mostly by selecting from menus which the program offers.

Microcomputer An individual computer system that fits on a desk top, such as the type most people purchase for home use; sometimes known as a personal computer. This term contrasts with "mini computer," a larger, more powerful type of computer, generally used by businesses or government agencies. The term "mainframe," is commonly used to describe larger computer systems which accept input from various terminals, and which generally have larger memory and processing capacities.

Microprocessor The heart of a microcomputer system, the microprocessor is the circuitry that actually does the "computing." Any device which contains a microprocessor, even if it is not a computer per se, can be referred to as "microprocessor-based."

Modem A device which can transmit computer data over telephone lines.

Monitor The TV-like device which displays a video image of the data entered on a computer. Commonly referred to simply as the screen, or sometimes the CRT (cathode ray tube).

Operating System The program that allows the various parts of a computer system (the disk, the monitor, printers, etc.) to "talk" to each other. The operating system is usually the first thing "loaded" after a computer is turned on, as most other programs require it in order to run.

Optical character reader (OCR) A device which can optically analyze a printed text, recognize the letters or other characters, and store this information as a computer text file. OCRs are usually limited to recognizing the styles and sizes of type for which they are programmed.

Output Any information produced by a computer or any other device, and sent outward from that device. Output may be sent to another computer, to a peripheral, or to some display system such as a monitor.

Overlay A group of symbols, pictures, words, characters, etc. which are placed over the keyboard of a computer or communication device, or over the display of a communication device. The overlay usually reflects what output will be generated when a key is pressed or a selection is made, but for devices with no output other than the indication that a selection has been made, the symbol itself may serve as the message communicated.

Parallel port One type of interface whereby a computer or communication device is connected to another computer or communication device, or to some peripheral input or output device. The connection is frequently located on the back panel of a microcomputer.

Peripheral Any hardware that is separate from the computer itself: printers, speech synthesizers, disk drives, etc.

Phoneme, phonetic spelling A phoneme is a single discrete unit of sound used in speech. Phonetic spelling uses a character for each phoneme, rather than representing pronunciation indirectly as standard spelling does.

Plug In an electrical connection using a male and a female connector, the plug is the male connector. In this volume, the term plug has been frequently used solely to indicate the size and type of connector, and may refer to a device which is actually outfitted with a jack. See also jack.

Port An input/output connection on a computer. Frequently located on the back panel of microcomputers.

Position Any potentially selectable area in a scanning array; for instance, a 10 x 10 array may have 100 positions. When a position is selected, it is considered a selection. Positions are also known as locations.

Program A series of instructions to a computer. A program is what allows the computer user to execute some task on the computer (see software). Commercially available programs are frequently sold stored on disks, but programs may also be written directly on a computer or purchased in firmware form (see firmware).

RAM Random Access Memory. This is the type of memory in a computer where data is placed while it is in use. A program on a disk, for instance, is loaded into the computer's RAM before being run. RAM is cleared when a computer is shut off, however, and so the program must be stored again after being used. Computers are often described in terms of their RAM capacity: a "128K" computer has a RAM capacity of approximately 128,000 bytes (characters) of information. See also disk, memory, ROM.

Refreshable braille display Also known as a dynamic braille display, this type of system uses a set of braille cells, each consisting of six or eight retractable electronically operated reeds. An electronic code sent to the system raises and lowers the reeds to form braille characters which the user can sense by placing the fingers on top of the display. When the display is full, the first cell recomposes itself and the display fills up again. Some displays also scroll.

ROM Read Only Memory. This is permanent memory built into a computer's circuitry by the manufacturer. See RAM.

RS-232 An interface standard for the serial port of a computer or microprocessor-based communication device. Serial ASCII code can be sent via an RS-232 interface.

Scanning A technique for making selections on a communication aid, computer, or environmental control system. Scanning involves moving sequentially through a given set of choices, and making a selection when the desired position is reached. Common physical forms for scanning arrays are menus on a computer screen, grids of squares with lights which light sequentially, and dial faces (like clocks) with pointers which revolve to point to symbols. Types of scanning include automatic, manual, row-and-column, and directed. In automatic scanning, the system scans automatically once started, and the user activates a switch momentarily to stop the scanning. Once stopped, the scanning sequence must be recommenced by another switch. In manual scanning, the user activates a switch continuously to scan the choices, releasing the switch to stop. In row-and-column scanning, the user selects first the row in a grid, then the column. Directed scanning involves using multiple switches or a joystick to scan in the desired direction. See also direct selection.

Screen Reader A program which speaks the contents of the computer's screen via a speech synthesizer. Such a program is usually also equipped with a system that allows the user to "navigate," or find his way around the screen, without the necessity of seeing the screen.

Semantic compaction A technique for reducing the number of selections a user must make to generate a phrase on a voice-output communication aid. Symbols for semantic units are used rather than number or letter codes (see encoding).

Serial port One type of interface for communication between a computer or electronic communication aid and another computer, electronic communication aid, or peripheral. The fact that two devices both have a serial port, however, does not automatically mean that information can be transferred between them flawlessly.

Software The part of a computer system which is not tangible, that is the programs or information that are processed by a computer or stored in memory. Commercially available software is usually sold in the form of a program or programs stored on a disk. See firmware, hardware, program, disk.

Speech digitizer A device which analyzes speech and converts particular sounds or utterances into digital patterns which can be stored just as other data is stored on a computer. These digital patterns can also be reconverted into their original sounds, allowing the computer to act as a digital "tape recorder." Speech digitization is also used in voice recognition systems. See speech synthesizer, voice recognition.

Speech recognition See voice recognition.

Speech synthesizer In contrast to the speech digitizer, which records and plays back what it "hears," the speech synthesizer receives input in the form of electronic text characters (letters, numbers, punctuation), and converts the discrete characters or words into artificial speech. Most speech synthesizers have a memory and processing system that applies standard pronunciation rules to determine the correct pronunciation. Synthesizers tend to sound more mechanical than digitizers; on the other hand they do not require that each and every phrase to be spoken be recorded beforehand, and they tend to use less memory storage space.

Spreadsheet A type of applications program that is designed for adding, editing, and manipulating tabulated information.

Synthesizer See speech synthesizer.

TDD Telecommunication Device for the Deaf. A device which allows a person to transmit typed-in messages over phone lines. Most TDDs have a keyboard for sending messages and an electronic display and/or printer for receiving them. In most cases, people on both ends of the line must have a TDD in order to communicate. TDDs transmit a special code (see Baudot) but may also transmit ASCII. In the past, the term TTY was sometimes used for this type of aid. Today, the term Text Telephone (TT) is gaining acceptance as well.

Terminal A device for entering data on the type of computer system which accepts data from more than one source at a time. The typical terminal has a keyboard for entering data and a screen for reviewing the data entered. A terminal does not process information in itself, but sends it on to the host computer system.

Toggle A switching action wherein the switch is turned on with one motion, off with another. Contrasts with momentary contact, wherein a switch remains on or off only while it is being activated by the user, reverting to its "normal" state (either on or off) as soon as it is no longer being activated. A common toggle switch is a wall switch for a light. This action can also be known as latching.

Touch Pad, Touch Screen Devices which allow a person to generate input to a computer by pressing on their surface. A touch pad is usually a continuous membrane surface divided into areas, each of which generates a different input (a character, command, etc.). A touch screen fits over the standard computer screen, and functions similar to a touch pad. Touch pads and screens are frequently used to make selections from menus or to create graphics.

Transparent Usable with all or an entire major class of software. This term is usually applied to a program or device which is usable with nearly all software appropriate to the computer system for which the program or device is designed. One should never assume that a device or program is absolutely transparent to all software without checking with the manufacturer.

Voice Recognition A technique used to recognize certain spoken utterances. A voice recognition system is "trained" to recognize an utterance by digitally encoding it once or several times (see speech digitizer). Thereafter when the system "hears" a phrase spoken, it compares it to the patterns for the utterances it has "heard" before, and matches it to one. All utterances to be recognized must be individually trained, and due to present limits on the technology, the maximum length of a recognized word or phrase is about two seconds. Voice recognition is commonly used in voice input systems for computers, which send a given input to the computer for each recognized utterance.

Word Processor A type of applications software that is used to enter, edit, manipulate, and format text. In order to be considered a word processing program rather than a simple text entry and editing program, a program should have fairly sophisticated capabilities.

Index 1

Products Listed by Function

This index includes lists of products according to function. Every product in the book with a given function will appear in that list. Within each list products are arranged alphabetically. Following the product name in parentheses are the other functions (as two-letter codes) assigned to that product. A key to all the functions and their two-letter codes is provided on the next page.

For example, if you were looking for an aid for Conversation/Interaction and wanted to find an aid that could also perform word processing functions you would look through the Conversation/Interaction (CI) function list and note all of those products with the WP (word processing) code. You would then look at the product descriptions for the several entries meeting both of those needs and contact the manufacturers of those devices you felt were most suitable.

867

Titles of product lists in this index:

- Activities of Daily Living {AD}
- Adaptive Educational Software {ED}
- Alternate Inputs Usable with All Software {TI}
- Artificial Larynxes {AL}
- Assessment (Evaluation) {AS}
- Book/Paper Handling {BP}
- Braille {BR}
- Braille and Tactile Output Systems {BT}
- Calculation/Math Aids {CN}
- Call, Monitoring, and Memory Systems {CM}
- Cognitive Rehabilitation {CR}
- Conversation/Interaction {CI}
- Database Management/Spreadsheets {DS}
- Drawing {DR}
- Early Skills (Pre-Reading) {ES}
- Electronic Communication and Writing Aids {EA}
- Environmental Controls {EC}
- Games {GA}
- Input Adapters for Computers {IA}
- Input Devices Usable with Only Some Software {ID}
- Keyboard Emulating Interfaces (Adapters Only) {KE}
- Keyboarding Training Programs {KB}
- Keyguards {KG}
- Language Therapy/Development {LT}
- Large Print Output {LP}
- Later Skills (Includes Reading) {LS}
- Magnification Hardware and Software for Computer Displays {MG}
- Modifications for Standard Keyboards {KM}
- Mounting Systems {MS}
- Mouse and Touch Pad Emulation {MT}
- Non-Electronic Communication Aids {NA}
- Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}
- Phone Control/Access {PC}
- Pointing and Typing Aids {PT}
- Portable Writing {PW}
- Recreation {RE}
- Repetitive Strain Injury (RSI) Prevention {RS}
- Screen (Display) to Voice {SV}
- Signing {SI}
- Speech Aids {SA}
- Speech Synthesizers {SS}
- Speech Therapy (not Language Therapy) {ST}
- Telecommunication {TL}
- Telecommunication Devices for the Deaf (TDD's) {TD}
- Training and Communication Initiation Aids {TR}
- Training and Therapy Software {TT}
- Typing Acceleration Program {TA}
- Vocational {VO}
- Voice Amplifiers {VA}
- Voice-Output Screen Reader or Reading Machine {VS}
- Word Processing (Writing) {WP}

Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AS	Assessment (Evaluation)
BP	Book/Paper Handling
BR	Braille
BT	Braille and Tactile Output Systems
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ED	Adaptive Educational Software
ES	Early Skills (Pre-Reading)
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MG	Magnification Hardware and Software for Computer Displays
MS	Mounting Systems
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
RS	Repetitive Strain Injury (RSI) Prevention
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TA	Typing Acceleration Program
TD	Telecommunication Device for the Deaf (TDD)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TR	Training or Communication Initiation Aid
TT	Training and Therapy Software
VA	Voice Amplifier
VO	Vocational
VS	Voice-Output Screen Reader or Reading Machine
WP	Word Processing (Writing)

Activities of Daily Living {AD}

Software designed to teach daily living skills. Other software and hardware may be useful in daily living, but not listed here.

CAMEO *(CN,ED,LS), 715*
Community Signs *(LS,LT,TT), 580*
Dollars & Cents Series *(CN,TT), 589*
Edmark Functional Word Series *(TT,VO), 592*
Employment Signs *(LS,LT,TT), 594*
Food Facts *(SV,TT), 603*
Grocery Store Words *(LS,TT), 608*
Information Signs *(LS,LT,TT), 612*
Joystick, *224*
Living Alone *(TT), 626*
Mastering Personal Information (MPI) *(CR,TT), 629*
Medical Words *(LS,TT), 631*
Money Skills *(CN,LS,TT), 637*
NeuroPage *(CM,CR), 320*
Paper Dolls I and II *(ES,TT), 651*
Pick-A-Meal *(GA,TT), 653*
Picture Cue Dictionary *(CI,LT,NA,TT), 654*
Positive Parenting *(TT), 657*
Safety Signs *(LS,LT,TT), 667*
Storytime Series *(LP,TR,TT), 679*
Storytime Series for Macintosh *(LP,TR,TT), 679*
Survival Words *(AS,LS,LT,TT), 681*
Telling Time *(CR,TT), 689*
Timekeeper *(TT), 692*
TouchMoney *(CN,TT,VO), 693*
Traffic Signs Plus for Windows *(TT), 694*
Transportation Signs *(LS,LT,TT), 694*

Adaptive Educational Software {ED}

Application software and software/hardware packages whose function is to educate. Software that focuses on topics which are traditionally part of school curricula, but which are adapted for special needs is inlcuded in this code. Software that focuses on training and therapy of non-curricular skills is listed under Training and Therapy (TT). Some related function codes include Assessment (AS), Early Skills (ES), Later Skills (LS), and Calculation and Math Aids (CN).

Access to Math *(CN), 713*
APH/SEI Talking Software *(LS,SV), 713*
Arithmetic 1, 2, and 3 with Speech *(CN,LS,SV), 714*
Basic Learning Skills Courseware *(CN,LS), 714*
CAMEO *(AD,CN,LS), 715*
Career English *(LS,VO), 715*
Complete Spelling Program *(LS), 716*
Core Reading and Vocabulary Development *(LS,LT,TT), 583*
Drive to Live *(LS), 716*
Early Learning 3.5/Complete Early Learning 5.25 *(ES,LS,TT), 591*
Early Learning II *(CN,ES), 717*
Early Learning III *(CN,LS), 717*
Edmark Reading Program, Level 1 Software *(ES,LS), 718*
Elementary Volume 1 - Mathematics *(CN,LS,SV), 718*
ERIN (Early Recognition Intervention Network) *(AS,ES), 719*
Focus on Facts *(SV), 719*
Focus on Nations *(SV), 720*
Geometric Figures and Spatial Concepts *(ES), 720*
H:1 Handicapped Word Games *(GA,LS,PA,RE), 752*
H:2 Handicapped Arithmetic Flash Cards *(CN,LS,RE), 721*
JOKUS Software *(ES), 721*
K.C. & Clyde in Fly Ball *(LS), 722*
Keyboarding by Ability *(KB,TT), 617*
Keyboarding for Individual Achievement *(KB,TT), 617*
Keyboarding for People with Cerebral Palsy *(KB,TT), 618*
Keyboarding with One Hand *(KB,TT), 619*
Learning the Alphabet *(ES), 722*
Listen and Spell *(LS), 723*
Prefixes *(LS,SV), 723*
Program for Aphasics *(CR,LS), 724*
Readable Stories Series *(LS), 724*
Reading Horizons *(ES), 725*
Sensible Speller: Talking APH Edition *(LS,SV), 725*
Sharon's Programs *(ES,LS), 726*
Sight Word Spelling *(LS,SV), 726*
Single Switch Software *(TT), 675*
Speaking Speller *(LS,SV), 727*
Special Education Public Domain Software *(CR,LS,TT), 677*
Spell-A-Word & 2+2 *(CN,LS), 727*
Spell-Talk *(LS,SV), 728*
Spelling Tutor *(LS), 728*
SPELLIST *(LS), 729*
Spin and Spell *(LS), 729*
Study Buddy, *730*
Talking Public Domain Disks *(LS,SV,TT,VO), 730*
Talking Riddles *(LS,SV), 731*
Trace Math Aid *(CN,PA), 769*
Voice Math *(CN), 731*
Voice Reading Ability Drill *(LS), 732*
Wordplay with Alps and Droops *(GA,LS), 732*
Write *(CI,LS,SV), 733*
Write This Way *(WP), 733*
Zero to Five *(LS), 734*

Alternate Inputs Usable with All Software {TI}

Alternate input systems which provide "transparent" access to a computer. "Alternate input" refers to a special device used as an alternative to the computer's standard input devices, including not only keyboards but also joysticks, mice, etc. "Transparent" means that the special input device can perform any operation that its standard equivalent can. Products are cross-referenced by input type in Index 2.

Access Pack for Microsoft Windows *(IA,KM,MT), 331*
Access-I *(CI,PW), 373*
AccessDOS *(IA,KM,MT), 332*
Adap2U *(MT), 373*
ADAPTA-LAN *(CI,LP,PC,WP), 374*
Adaptive Firmware Card Model G32e *(IA,KE,KM), 374*
AlphaSmart Pro *(PW), 375*
AlphaTalker *(CI,EA), 119*
AmTRAC *(MT), 375*
Apple Adjustable Keyboard *(RS), 376*
Aurora 2.0 for DOS *(CI,EA,LP,TA,WP), 376*
Aurora for Windows *(KM,TA,WP), 333*
BallPoint Mouse *(MT), 377*
BAT Personal Keyboard, *377*
Big Keys, *378*
BioMuse, *378*
Bloorview Miniature Keyboard, *379*
Braille 'n Speak *(BR,PW,SS,SV,VS), 469*
Breakthru Box, *379*
Butler-in-a-Box *(EC,PC), 270*
CINTEX I *(EC,PA,PC,RE,TA,WP), 744*
Cirque GlidePoint Trackpads *(MT), 380*
Comfort Keyboard System, *380*
Concept Keyboard, *381*
Cordless WinMouse *(MT), 381*
DARCI TOO, *382*
DM80/FM *(BR,BT), 511*
Doors II, *382*
DragonDictate Starter, Classic, and Power Editions, *383*
EEK, *383*
Equalizer *(CI,DR,EA,PW,RE,WP), 131*
ErgoLogic Model 7.1 Keyboard *(RS), 384*
Ergonomic Keyboard Systems *(RS), 384*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW), 131*
Expanded Keyboard for Apple Macintosh and Apple IIGS, *385*
Expanded Keyboard for IBM Computers *(KG), 385*
Expanded Keyboards for the Talking BlissApple *(KG), 386*
Expanded Numeric Keypads, *386*
Expert Mouse *(MT), 387*
Eye Slaved Pointing System *(EC,PC), 387*
Eyegaze Computer System *(EA,EC,PC), 132*

ezMorse for Windows, *388*
ezScan, *388*
FastTRAP *(MT), 389*
Felix *(MT), 389*
First-Finger WinTrack *(MT), 390*
FlexPro *(RS), 390*
GEWA FTB 108 Enlarged Keyboard, *391*
GEWA METB 121 Reduced Size Keyboard, *391*
Gus! Multimedia Speech System *(CI,EA,KM), 133*
HAL (Home Automation Link) *(EC,PC), 392*
Hand Controls *(ID), 392*
HandiCODE and HandiCODE Deluxe *(SV), 393*
HeadMaster Plus *(MT), 393*
HeadMouse *(DR,MT), 394*
Help U Key, *394*
Help U Keyboard, *395*
Hereward Tracker Ball & Joystick Module *(MT), 395*
Icontroller *(MT), 396*
IN-CUBE Voice Command for SPARC Stations, *396*
IN-CUBE Voice Command for Windows NT *(RS), 397*
Instant Access, *397*
IntelliKeys, *398*
IntroVoice V, *398*
IntroVoice VI *(SS), 399*
IRIS Reading Interface 3.0 *(SV), 399*
Jouse *(MT), 400*
Joystick to Mouse Driver *(MT), 400*
JustVoice, *401*
K-U-I *(MT), 401*
Ke:nx *(KE,MT), 402*
Ke:nx On:Board (M43), *402*
Key Largo, *403*
Keyport 176, *403*
Keyport 300, *404*
Keyport 60, *404*
Kinesis Ergonomic Keyboard *(RS), 405*
King Keyboard (2440), *405*
Kurzweil VOICE, *406*
Kurzweil VOICE for Windows, *406*
Laser Optic Keyboard *(CI), 407*
LIAISON *(EC,KE,PC), 407*
Liberator *(CI,CN,EA,EC,PW), 137*
LightBoard, *408*
LipStick and WordWriter *(MT), 408*
Listen for Windows *(ID), 409*
MacKing *(MT), 409*
MacMini *(MT), 410*
Macrat, *410*
MacroMaster/pro *(KM), 411*
MacTRAC *(MT), 411*
Magic Wand Keyboard with McKey Mouse Option, *412*
Magnum *(BR,PW,VS), 477*
Maltron Keyboard, *412*
MICE *(MT), 413*
Micro IntroVoice *(SS), 413*
Micro IntroVoice II *(SS), 414*
Microsoft Natural Keyboard *(RS), 414*
Microsoft Windows Sound System, *415*
MIKE (Mouse Interface & Keyboard Emulation) *(MT), 415*
Mini Keyboard (2443 or 2450), *416*
Mini-Keyboards, *416*
MiniErgo-MF2 *(KM,RS), 417*
Minimal Motion Computer Access System, *417*
Morse Code WSKE II, *418*
Morsek Version 1.1, *418*
Mouse Keys, *419*
Mouse-Trak *(MT), 419*
MouseMan Cordless *(MT), 420*
MouseMover - Mac (5005) *(MT), 420*
MouseMover - PC Windows (5004) *(MT), 421*
MousePen *(MT), 421*
MouseStick II *(MT), 422*
Mouth Operated Joystick for Genesis Video Game *(GA,RE), 422*
Muppet Learning Keys *(GA,ID), 423*
My First Keyboard, *423*
My-T-Mouse *(KE), 424*
MyKey *(MT,RS), 424*
Narwhal Expanded Keyboards for Adaptive Firmware Card, *425*
Nintendo & Super Nintendo Joystick Module *(RE), 425*
NoMouse *(MT), 426*
OfficeTALK for Windows, *426*
One Access *(IA), 427*
One-Hand Operated Joystick for Genesis Video Game, *427*
OneStrk, *428*
Optimouse *(MT), 428*
OsCaR, *429*
PC-TRAC *(MT), 429*
Pen Style Mouse *(MT), 430*
PKD 84 and 101, *430*
PortaPoint *(MT), 431*
PowerKey Software for IBM, *431*
PowerPad *(DR,RE), 432*
PowerPad Starter Kit, *432*
PowerSecretary *(WP), 433*
Pre-Dict-ate, *433*
ProPoint *(MT), 434*
Proportional Keystroke Scanner, *434*
QUADLynx Trackball *(MT), 435*
Reading Edge, *435*
RealVoice *(AS,CI,EA,EC,PW), 147*
Remote Keyboard for the Apple II+ and IIc *(DR), 436*
RemotePoint *(MT), 436*
RevolvingDoors *(MT), 437*
Scanning WSKE II, *437*
ScanPAC *(CI,CN,EA,EC,PW), 150*
ScottBridge Speech Access System, *438*
ScreenDoors, *438*
Select-Ease Keyboard *(RS), 439*
SenSei System *(EC,PA,PC,TL), 295*
Serial Trackball and PS/2 Trackball *(MT), 439*
SofType *(TA), 440*
Speak Out VOILA *(LP,MG,SV,VS), 440*
Speech Recognition Systems, *441*
Stingray *(MT), 441*
Switch Modified PowerPad, *442*
Switch-Adapted Mouse (SAM) *(MT), 442*
Switch-Back *(ID), 443*
SwitchMouse *(MT), 443*
SynergyMac and SynergyPC *(CI,PW), 444*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT), 463*
TouchWindow *(DR,DS,ID,RE,WP), 444*
Trackball Pro *(MT), 445*
TrackMan Live! *(MT), 445*
TrackMan Voyager *(MT), 446*
Trak101 Keyboard *(MT,RS), 446*
Turbo Mouse 4.0 *(MT), 447*
Turbo Trackball *(MT), 447*
Vertical *(RS), 448*
VisionKey *(EA), 158*
Voice Mouse/Keyboard (VMK) Controller, *448*
Voice User *(RS), 449*
WinKing Keyboard (2448F, 2448Q), *449*
WinMini Keyboard (2447F, 2447Q) *(MT), 450*
WiViK 2.0 (Windows Visual Keyboard) *(TA), 450*

Artificial Larynxes {AL}

Products that produce artificial vocalization (vocal tone) in the throat or mouth in order to allow oral speech.

Cooper-Rand Electronic Speech Aid *(SA), 4*
Denrick Speech Aid *(SA), 4*
Electronic Artificial Larynx *(SA), 5*
Nu-Vois *(SA), 7*
SERVOX Inton *(SA), 9*
Tokyo Artificial Larynx *(SA), 11*

Assessment (Evaluation) {AS}

Products (not limited to computer hardware or software) which are designed to be assessment or evaluation tools. This designation is based upon the manufacturer's description; other products may be useful for assessment that are not so coded.

Ability Switch Tester (5955) *(TR), 29*
Activity Board *(EC,TR), 30*
Adventures of Jimmy Jumper - Prepositions *(ES,LT,TT), 557*
And Or Box *(TR), 31*
Battery Adapter *(TR), 32*
Battery Device Adapter *(TR), 32*
Battery Interrupter *(TR), 33*
Beeper *(CM,TR), 313*
Buddy's Body *(ES,TT), 566*
Call Bell (4500) *(CM,TR), 314*
Call Signal 2 *(CM,TR), 314*
Captain's Log: Cognitive Training System *(CR,ES,LS,TT), 568*
Chime Alarm *(CM,TR), 315*
Clock Communicator *(CI,TR), 36*
Comboard (2615) *(CI,TR), 36*
Communiclock *(CI,TR), 37*
Compartmentalized Communicator *(CI,TR), 38*
Counter Box *(TR), 39*
Counter Module *(TR), 39*
Delay Timer Box *(EC,TR), 40*
Dial Scan *(CI,TR), 40*
Dual Channel Latching Switch Interface *(EC,TR), 41*
E-Tran Scanner *(CI,TR), 43*
Emergency Call Alarm *(CM,TR), 317*
English on the Job *(TT,VO), 594*
ERIN (Early Recognition Intervention Network) *(ED,ES), 719*
EvalPAC with RealVoice *(CI,EA,EC,PW,TI), 131*
Family Fun *(ES,TT), 596*
Further Adventures of Jimmy Jumper - Perseverance *(ES,TT), 606*
Invertor Module *(TR), 44*
Job Readiness Series *(TT,VO), 614*
Join the Circus *(ES,TT), 616*
Keypad (2425) *(TR), 45*
Laryngograph *(ST,TT), 620*
Learn to Scan *(TR,TT), 620*
Lighted Extra Loud Signalling Buzzer *(CM,TR), 319*
Lighted Signalling Buzzer *(CM,TR), 319*
Lighted Vibrating Signalling Buzzer *(TR), 46*
Logo TouchTools for the PowerPad *(ES,TT), 627*
Make It In Time *(ES,TT), 628*
Make It Scan *(ES,TT), 629*
Math on the Job *(CN,TT,VO), 630*
Microcomputer Evaluation of Career Areas (MECA) *(TT,VO), 634*
Motor Training Games *(GA,PA,RE,TT), 638*
Multi-Switch Module *(TR), 47*
Nasometer Model 6200-3 *(ST,TT), 643*
Padded Food *(ES,TT), 650*
Primer 83 *(LS,TT), 660*
Quad Talk *(CI,TR), 52*
Rabbit Scanner *(ES,TT), 662*
RealVoice *(CI,EA,EC,PW,TI), 147*
Reasoning Skills on the Job *(TT,VO), 665*
Rhythm Generator *(TR), 52*
Run Rabbit Run *(ES,TT), 666*
Sequential Scanner *(CI,TR), 54*
Series Adapter *(TR), 54*
Signal Buzzer *(CM,TR), 325*
Steeper Communication/Teaching Aid *(CI,TR), 56*
Survival Words *(AD,LS,LT,TT), 681*
Switch Latch (4388) *(EC,TR), 56*
Switch Latch/Timer *(TR), 57*
Talking Touch Window *(CI,TR,TT), 687*
Timer Module *(EC,TR), 59*
Toy Adapter *(TR), 59*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(TR), 60*
Toy Cables (4378, 4379) *(TR), 60*
Training Aid 2 *(EC,TR), 61*
Tri-Responder *(TR), 62*
Versascan *(CI,TR), 63*
Vibrating Sack *(TR), 64*

Book/Paper Handling {BP}

Products which facilitate the handling of books or printed materials. This code refers to the physical handling of such materials.

APT Automaddak Page Turner System *(EC), 268*
Braille Blazer *(BR,BT), 507*
Braillo 200 *(BR,BT), 510*
Braillo 400 S *(BR,BT), 510*
Braillo Comet *(BR,BT), 511*
F73216-100 Page Turner/Keyboard Aid *(PT), 17*
Gewa Page Turner *(EC), 280*
H73217 Mouth Held Page Turners *(PT), 19*
Media Handling Products *(EC,PT), 549*
Motorized Easel *(EC), 286*
Mouthsticks *(PT), 24*
Next Page Page Turner (4600) *(EC), 287*
Saltus Reader *(EC), 292*
Touch Turner *(EC), 301*
Vacuum Wand *(PT), 26*

Braille {BR}

Devices or software that produce or incorporate braille code. This category is more inclusive than Braille and Tactile Output (BT).

ALVA Braille Terminals *(BT), 507*
Audio Braille Game Tutorial *(GA,RE,TT), 560*
Auto Braille *(PA), 738*
BEX 3.1 *(LP,PA,SV,WP), 739*
Braille 'n Speak *(PW,SS,SV,TI,VS), 469*
Braille 'n Speak Classic *(CN,PA,SV,VS,WP), 469*
Braille Blazer *(BP,BT), 507*
Braille BookMaker and Braille Express 100 & 500 *(BT), 508*
Braille Keytop Labels *(KM), 334*
Braille Lite *(BT,CN,PW,SV,VS), 470*
Braille Tutorial *(TT), 565*
Braille-N-Print *(BT), 508*
Braille-Talk *(PA,SV), 742*
BrailleAccess *(BT), 509*
Brailled Keyboard Model--Apple IIe, *543*
Brailled Keyboard Overlay for the Apple IIGS *(KM), 334*
BrailleMate 2 *(PW,VS), 470*
BRAILLEX-2D *(BT), 509*
Braillo 200 *(BP,BT), 510*
Braillo 400 S *(BP,BT), 510*
Braillo Comet *(BP,BT), 511*
Checkbook Program *(CN,PA,SV), 744*
Combination Braille/Large Print Keytop Labels *(KM,LP), 335*
David *(BT,PA,PW,SS,SV,VS), 471*
DM80/FM *(BT,TI), 511*
Duxbury Braille Board for Microsoft Windows *(PA), 745*
Duxbury Braille Translator (DBT) *(PA), 746*
Duxbury Braille Translator for WordPerfect (DUXWP) *(PA), 747*
Easy-Braille Translator *(PA), 747*
Edgar *(PA), 748*
ETgraphX *(DR,PA), 749*
High Dots *(KM), 344*
IBM-VBII *(PA), 753*
Index Basic *(BT), 512*
Index Basic-D *(BT), 512*
Index Everest-D *(BT), 513*
InfoTouch *(BT,CI,PC,TD,TL), 182*
Juliet Brailler *(BT), 514*
KTS Braille Display *(BT), 514*
Learning to Spell Braille Signs *(TT), 623*
Lite Touch Telephone Communicator *(PC,TD,TL), 183*
Magnum *(PW,TI,VS), 477*
Marathon Brailler *(BT), 515*

MegaDots *(LP,PA), 757*
MicroBraille 2 *(PA,WP), 758*
Mountbatten Brailler *(BT,PW), 516*
Myna *(PW,SV,VS), 478*
NAMES *(PA), 760*
Notex 486 *(BT), 517*
Ohtsuki BT-5000 Braille/Print Printer *(BT), 517*
Paragon Braille Printer *(BT), 518*
PC Braille *(PA), 761*
PCMaster & Windows Master *(IA,SV,VS), 460*
Picture Braille *(PA), 761*
PowerBraille 40, 65, & 80 *(BT), 519*
Ransley Braille Interface (RBI) *(BT), 519*
Romeo Brailler Model RB-25 *(BT), 520*
Romeo Brailler Model RB-40 *(BT), 520*
Thomas Brailler *(BT), 521*
TranSend System *(BT), 522*
TurboBraille *(PA), 769*
VersaPoint-40 Braille Embosser *(BT), 522*
WinDOTS *(PA), 771*

Braille and Tactile Output Systems {BT}

Devices that have either braille or other tactile output. This category covers braille printers (also know as embossers), portable braille "notebooks" with refreshable braille displays, and tactile or braille devices designed for accessing a standard computer screen. Software that produces or translates braille is not included but would be coded Braille (BR).

ALVA Braille Terminals *(BR), 507*
Braille Blazer *(BP,BR), 507*
Braille BookMaker and Braille Express 100 & 500 *(BR), 508*
Braille Lite *(BR,CN,PW,SV,VS), 470*
Braille-N-Print *(BR), 508*
BrailleAccess *(BR), 509*
BRAILLEX-2D *(BR), 509*
Braillo 200 *(BP,BR), 510*
Braillo 400 S *(BP,BR), 510*
Braillo Comet *(BP,BR), 511*
David *(BR,PA,PW,SS,SV,VS), 471*
DM80/FM *(BR,TI), 511*
Index Basic *(BR), 512*
Index Basic-D *(BR), 512*
Index Everest-D *(BR), 513*
InfoTouch *(BR,CI,PC,TD,TL), 182*
INKA, *513*
Juliet Brailler *(BR), 514*
KTS Braille Display *(BR), 514*
Marathon Brailler *(BR), 515*
MasterTOUCH *(SV), 515*
Mountbatten Brailler *(BR,PW), 516*
NOMAD Talking Touch Pad & NOMAD Gold *(SV), 516*
Notex 486 *(BR), 517*
Ohtsuki BT-5000 Braille/Print Printer *(BR), 517*
Optacon II *(LP), 518*
Paragon Braille Printer *(BR), 518*
PowerBraille 40, 65, & 80 *(BR), 519*
Ransley Braille Interface (RBI) *(BR), 519*
Romeo Brailler Model RB-25 *(BR), 520*
Romeo Brailler Model RB-40 *(BR), 520*
TEXTALKER *(SV), 521*
Thomas Brailler *(BR), 521*
TranSend System *(BR), 522*
VersaPoint-40 Braille Embosser *(BR), 522*

Calculation/Math Aids {CN}

Products designed to facilitate the user's ability to do calculations or perform mathematical operations. Programs for teaching math will have both this code and the code ED (Adaptive Educational Software).

Access to Math *(ED), 713*
APH Scientific Calculator: for Apple II Computers *(PA,SV), 737*
Arithmetic 1, 2, and 3 with Speech *(ED,LS,SV), 714*
Basic Learning Skills Courseware *(ED,LS), 714*
Big:Calc *(LP,PA), 740*
Braille 'n Speak Classic *(BR,PA,SV,VS,WP), 469*
Braille Lite *(BR,BT,PW,SV,VS), 470*
Calc-Talk *(LP,PA,SV), 743*
Calcworthy *(PA,SV), 743*
CAMEO *(AD,ED,LS), 715*
Checkbook Program *(BR,PA,SV), 744*
COINSNKEYS *(ES,KB,TT), 577*
Dollars & Cents Series *(AD,TT), 589*
Early Learning II *(ED,ES), 717*
Early Learning III *(ED,LS), 717*
Elementary Volume 1 - Mathematics *(ED,LS,SV), 718*
H:2 Handicapped Arithmetic Flash Cards *(ED,LS,RE), 721*
Keynote Companion *(SV,TL,VS,WP), 476*
Keysoft *(PA,SV,WP), 754*
Learning Activity Packets (LAPs) *(LS,TT,VO), 621*
Learning to Count *(TT), 622*
Less, More, Make Equal *(CR,TT), 623*
Letter Find *(ES,KB,SV,TT), 625*
Liberator *(CI,EA,EC,PW,TI), 137*
Mac-Apple Communications Aid *(CI,DR,ES,PA,TT,WP), 756*
Math Max *(CR,GA,TT), 630*
Math on the Job *(AS,TT,VO), 630*
Money Skills *(AD,LS,TT), 637*
MusicWare *(ES,GA,LS,TT), 640*
Octobus *(CR,LS,TT), 645*
On the Job Series - Mathematics *(TT,VO), 647*
Prefix *(CR,TT), 659*
Reading a Ruler - English & Metric *(TT,VO), 664*
ScanPAC *(CI,EA,EC,PW,TI), 150*
Spell-A-Word & 2+2 *(ED,LS), 727*
This Old Man *(SI,TT), 691*
TouchMoney *(AD,TT,VO), 693*
Trace Math Aid *(ED,PA), 769*
Voice Math *(ED), 731*

Call, Monitoring, and Memory Systems {CM}

Products which feature the capability to summon assistance, to monitor a person's activities for safety reasons, or to supplement or aid memory.

Accularm *(TR), 311*
AlertCom, *311*
Auto Call Single Number Dialer *(PC), 312*
Beep-in-Touch, *312*
Beeper *(AS,TR), 313*
Buzzer Box *(TR), 34*
Call Alert Model CA-100 *(PC), 313*
Call Bell (4500) *(AS,TR), 314*
Call Signal 2 *(AS,TR), 314*
Chime Alarm *(AS,TR), 315*
Companion 401 Communicator *(CI,EA,TL,TR), 125*
Cord-Mate, *315*
Digitized Speech Message Machines, *316*
E-Z Call, *316*
Emergency Call Alarm *(AS,TR), 317*
EZRA *(CI,EC,PC), 277*
First Aide Kit *(EC,PC), 278*
Handheld Computers and Personal Organizers *(EA,WP), 133*
High Tech/Low Cost *(EC,NA,PT,TR), 223*
Home Intercom Systems *(CI), 317*
Intercom (4392) *(EC), 318*
JANICE Model 100 Invalid Security Alert System, *318*

Lighted Extra Loud Signalling Buzzer *(AS,TR), 319*
Lighted Signalling Buzzer *(AS,TR), 319*
NeuroPage *(AD,CR), 320*
Omni Page System, *320*
PA-1 Portable Alarm, *321*
People Pager, *321*
Personal Alert Receiver, *322*
Personal Pager, *322*
Personal Pager, *323*
Personal Pagers, *323*
RC5000 Radio Home Control System *(EC), 291*
Remote Wireless Paging Alarm, *324*
Screamer Alarm, *324*
SideKick Receiver, *325*
Signal Buzzer *(AS,TR), 325*
Sound Advice System, *326*
Vibra-Call Receiver, *326*
Vocal Assistant *(CI,EA), 159*
Watchman Master, *327*
WatchMate, *327*
WatchMate LC, *328*
Wireless Personal Pager, *328*

Cognitive Rehabilitation {CR}

Programs designed specifically to be useful in cognitive rehabilitation. This designation is based upon the manufacturer's stated intent in product design.

Antonyms and Synonyms (Cognitive Disorders 12) *(LS,TT), 557*
Aphasia Series: I through VIII *(LS,TT), 558*
Association Pictures *(TT), 559*
Attention, Perception & Discrimination Plus for Windows *(TT), 559*
Captain's Log: Cognitive Training System *(AS,ES,LS,TT), 568*
Categories Plus for Windows *(TT), 569*
Category Discrimination and Reasoning Plus for Windows *(TT), 569*
Category Naming and Completion Plus for Windows *(TT), 570*
Cognitive Disorders I, II, III, IV *(TT), 573*
Cogrehab Vol. 1 *(LS,TT), 574*
Cogrehab Vol. 2 *(LS,TT), 574*
Cogrehab Vol. 3 Version 2.0 *(LS,TT), 575*
Cogrehab Vol. 4 *(LS,TT), 575*
Cogrehab Vol. 5 *(LS,TT), 576*
Cogrehab Vol. 6 *(LS,TT), 576*
Cogrehab Vol. 7: Quest *(LS,TT), 577*
Completion From Partial Information Plus for Windows *(TT), 581*
Construc *(TT), 583*
Deductive Reasoning Plus for Windows *(TT), 587*
Definitions Plus for Windows *(TT), 588*
First Mate *(TT), 600*
Foundations I *(ES,TT), 604*
Foundations II *(ES,TT), 604*
Function Pictures *(TT), 605*
Functional Vocabulary Plus for Windows *(TT), 605*
Hierarchical Attention Training *(LS,TT), 608*
Homographs *(LS,TT), 609*
Homophones *(LS,TT), 609*
Inferential Naming for Cognitive and Language Disorders *(LS,LT,TT), 611*
Inferential Naming Plus for Windows *(TT), 612*
Initial Phoneme Cuing for Aphasics *(TT), 613*
Less, More, Make Equal *(CN,TT), 623*
Lingraphica *(CI,EA,PA), 139*
Logi *(TT), 627*
Magic *(TT), 628*
Mastering Personal Information (MPI) *(AD,TT), 629*
Math Max *(CN,GA,TT), 630*
Memory for Animated Sequences Plus for Windows *(TT), 632*
Memory I *(ES,LS,TT), 632*
Memory II *(ES,LS,TT), 633*
NeuroPage *(AD,CM), 320*
Octobus *(CN,LS,TT), 645*
Opposites and Similarities Plus for Windows *(TT), 649*
Picture Identification Plus for Windows *(TT), 654*
Picture Naming Plus for Windows *(TT), 655*
Pictures Programs: I, II and III *(ES,LS,TT), 656*
Prefix *(CN,TT), 659*
Preposition Fill-Ins *(TT), 659*
Problem Solving I *(TT), 661*
Program for Aphasics *(ED,LS), 724*
Reading Comprehension for Adolescents *(TT), 664*
Rhyming Pictures *(TT), 665*
Sorting by Category Plus for Windows *(TT), 676*
Special Education Public Domain Software *(ED,LS,TT), 677*
Studio4 *(TT), 680*
Telling Time *(AD,TT), 689*
THINKable/DOS *(TT), 690*
Understanding Attributes *(TT), 697*
Verb Fill-Ins *(TT), 698*
Visual Confrontation Naming Plus for Windows *(TT), 700*
Visual Memory Plus for Windows *(TT), 701*
Visual Pattern Memory Plus for Windows *(TT), 702*
Visuospatial Skills I *(TT), 702*
Visuospatial Skills II *(TT), 703*
Word Association Plus for Windows *(TT), 706*

Conversation/Interaction {CI}

Hardware, software and aids designed to be used for communication on a daily basis. Software-based products will also be coded TT (Training and Therapy Software) or PA (Personal Tool or Aid). Aids designed mainly for communication training or therapy are coded TR - Training and Communication Initiation (see below).

911 Telephone Terminal *(EC,TL), 263*
AbiliTech Communicator *(EC,PC), 264*
Ability Switch Phone Sequencer *(EC,PC), 265*
Abovo PCD *(EA,PW), 118*
Access-I *(PW,TI), 373*
ActionVoice *(EA,TR), 118*
ADAPTA-LAN *(LP,PC,TI,WP), 374*
ADDvox III System *(SA,VA), 3*
Alphabet Board Kit *(NA), 69*
AlphaPad *(NA), 70*
AlphaTalker *(EA,TI), 119*
Appointment Book *(NA), 70*
ASCII-TDD Software *(TD,TL), 179*
Attainment Communication Collection *(NA), 71*
Attainment Fifteen Talker *(EA,TR), 119*
Attainment Five Talker & Talker Plus *(EA,TR), 120*
Attainment Two Talker *(EA,TR), 120*
Audible Cursor Routine *(EA,PA,TR), 121*
AudScan II *(EA), 121*
Aurora 2.0 for DOS *(EA,LP,TA,TI,WP), 376*
BIGmack *(EA,TR), 122*
BlackHawk *(EA), 122*
Blissymbol Vocabulary Stamps *(NA), 72*
Bradley Board Communication Aid *(NA), 74*
Calendars *(NA), 74*
Canon Communicator CC-7S and CC-7P *(EA), 123*
CanSpeak *(LT,TT), 568*
Card Communicator *(RE,TR), 34*
CarryCom *(EA), 123*
Chain Talk *(NA), 75*
Cheap Talk 4 & 8 *(EA,TR), 124*
Clear Clock Communicator *(TR), 35*
Cleo Communication Board *(NA), 75*
Clock Communicator *(AS,TR), 36*
Comboard (2615) *(AS,TR), 36*
Communication Binder *(NA), 76*
Communication Board *(NA), 76*
Communication Folder and Tri-Folder *(NA), 78*
Communication Programs *(EA,EC,TR), 124*
Communication Sheets *(NA), 79*
Communication Symbol Holders *(NA), 79*
Communiclock *(AS,TR), 37*
Companion 401 Communicator *(CM,EA,TL,TR), 125*
Compartmentalized Clock Communicator *(TR), 38*

Compartmentalized Communicator *(AS,TR)*. *38*
Core Picture Vocabulary *(NA,TR)*. *80*
Core Vocabulary *(NA)*. *80*
Crespeaker *(EA,TL)*. *125*
Crestalk *(EA)*. *126*
DAC *(EA,SS)*. *126*
DeltaTalker *(EA)*. *127*
Deluxe Communication Board Kit *(NA)*. *81*
Deluxe Talk Board *(NA)*. *81*
Dial Scan *(AS,TR)*. *40*
Dialogue TTYs *(PC,TD,TL)*. *180*
Dialogue VCO Read & Talk Telephone *(TD,TL)*. *181*
DigiTalk 1 *(EA,TR,TT)*. *127*
DigiVox *(EA)*. *128*
Dual Clock Communicator *(TR)*. *42*
Duo-Responder *(TR)*. *42*
Dvorak One-Hand Typewriter *(EA,PW)*. *128*
DynaSyms *(NA)*. *82*
DynaVox2 & DynaVox2c *(EA)*. *129*
E-Tran Scanner *(AS,TR)*. *43*
EasyTalk *(EA)*. *130*
Emotional Moods & Needs-G 3&4 *(NA)*. *82*
Equalizer *(DR,EA,PW,RE,TI,WP)*. *131*
EvalPAC with RealVoice *(AS,EA,EC,PW,TI)*. *131*
Eye Transfer Communication System *(NA)*. *83*
Eye-Com *(NA)*. *83*
Eye-Com Board *(NA)*. *84*
EZRA *(CM,EC,PC)*. *277*
FingerFoniks *(EA)*. *132*
Fold It System *(NA)*. *84*
Foods I Like Menu Book *(NA)*. *85*
Futura-TTY *(TD,TL)*. *181*
GEWA Infra-Link Speaker-Telephone *(EC,PC)*. *279*
Gus! Multimedia Speech System *(EA,KM,TI)*. *133*
HandiPHONE *(EC,PC)*. *281*
Handy Speech Communication Aide *(EA,SS)*. *134*
Hawk *(EA,TR)*. *134*
Heidico Intertalk *(EA,TD)*. *135*
Help Me to Help Myself Handbook *(NA)*. *86*
Help U Type and Speak *(EA,KM)*. *135*
Holiday Kit *(NA)*. *86*
Home Intercom Systems *(CM)*. *317*
I Can Speak *(EA)*. *136*
ICU-G 1&2 *(NA)*. *87*
Illustrated Menu *(NA)*. *87*
Individualized Communication Systems *(NA)*. *88*
InfoTouch *(BR,BT,PC,TD,TL)*. *182*
Intele-Modem *(TD,TL)*. *182*
IntelliTalk *(EA,PA)*. *137*
Laser Optic Keyboard *(TI)*. *407*
Liberator *(CN,EA,EC,PW,TI)*. *137*
Life Experiences Communication Kit *(NA)*. *89*
Light Activated Switch Panel *(TR)*. *46*
LightWRITER SL35 *(EA)*. *138*
LightWRITER SL5 *(EA)*. *138*
LightWRITER SL85 *(EA)*. *139*
Lingraphica *(CR,EA,PA)*. *139*
Long Wallet *(NA)*. *89*
Lynx *(EA,TR)*. *140*
Mac-Apple Communications Aid *(CN,DR,ES,PA,TT,WP)*. *756*
Macaw Series *(EA)*. *140*
Mealtime Stickers *(NA)*. *90*
Mega-Book *(NA)*. *90*
MegaWolf *(EA)*. *141*
Message Center *(TD,TL)*. *183*
MessageMate 20 *(EA,TR)*. *141*
MessageMate 40 *(EA,TR)*. *142*
Messenger *(EA,TR)*. *142*
Meta4 *(EA)*. *143*
Mid-Sized Communication Book *(NA)*. *91*
Mini Picture Set *(NA)*. *91*
Mini Talking Card Reader *(EA,TR)*. *143*
Mini-MessageMate *(EA,TR)*. *144*
Minicom IV *(PW,TD,TL)*. *184*
Miniprint 425 *(PC,TD,TL)*. *185*
Minspeak Application Programs (MAP) *(PA)*. *759*
MultiPhone *(EC,PC)*. *287*
Nine Compartment Row/Column Scanner *(TR)*. *48*
Nu-Vue-Cue *(NA)*. *92*
Oakland Schools Picture Dictionary *(NA)*. *92*
Object Communicator *(NA)*. *93*
Object Display *(NA)*. *93*
Object Stand or Calendar Box (3 or 5) *(NA,TR)*. *94*
Object-Picture Talk Board *(NA,TR)*. *94*
Opticommunicator *(NA)*. *95*
Parrot *(EA,TR)*. *144*
Passport Kits *(NA)*. *95*
Pay Phone TTY *(PC,TD,TL)*. *186*
PCS Color Stickers *(NA)*. *96*
PCS Stamps *(NA)*. *96*
PEACEbook *(NA)*. *97*
Pegasus *(EA,EC)*. *145*
Personal Communication Terminal (PCT) *(TD,TL)*. *186*
Personal Trainer *(EA,TR)*. *145*
Phone-TTY CM-4 Computer Modem *(PC,TD,TL)*. *187*
Pick 'n Stick Color Micros *(NA)*. *98*
PICSYMS Categorical Dictionary *(NA)*. *100*
Pictalk *(ES,TR,TT)*. *653*
Picture Communication Symbols, Books I, II & III *(NA)*. *101*
Picture Cue Dictionary *(AD,LT,NA,TT)*. *654*
Picture Prompt Cards *(NA)*. *102*
Picture Prompt Stickers *(NA)*. *102*
Picture Prompt System *(NA)*. *103*
Picture Your Blissymbols *(NA)*. *103*
Pictures, Please! *(NA)*. *104*
Pocket Book *(NA)*. *104*
Pocket-Sized and Double Pocket-Sized Communication Book *(NA)*. *105*
Polycom *(EA,PC,PW,TL,WP)*. *146*
Porta Boards *(NA)*. *106*
Porta Book *(NA)*. *106*
Porta Printer Plus *(TD,TL)*. *187*
PortaView *(TD,TL)*. *188*
Positron Express *(TD,TL)*. *188*
Quad Talk *(AS,TR)*. *52*
ReadyScan *(EA)*. *147*
RealVoice *(AS,EA,EC,PW,TI)*. *147*
Robot Voice Synthesizer *(SA)*. *9*
Round Clock Communicator *(TR)*. *53*
Say-It-All II Plus *(EA,KG,PW)*. *148*
Say-It-Simply Plus *(EA,TR)*. *148*
Scan Com *(EA,EC)*. *149*
Scan-It-All *(EA,EC)*. *149*
ScanLite *(TR)*. *53*
ScanPAC *(CN,EA,EC,PW,TI)*. *150*
Scribe *(EA,KG,PW)*. *150*
Secretary. *(EA,PW,TR)*. *151*
Self-Talk Stickers *(NA)*. *107*
Sequential Scanner *(AS,TR)*. *54*
Shadow Talker *(EA,TR)*. *151*
SIDD (Software Interface for the Deaf and Disabled) *(TD,TL)*. *189*
Silent Speaker *(NA)*. *108*
SimpleCom I: Yes/No Communication *(TR,TT)*. *674*
SimpleCom II: Needs/Wants Communication *(TR,TT)*. *674*
SM85 Smart ASCII/Baudot Modem *(PC,TD,TL)*. *189*
SpeakEasy *(EA)*. *152*
Speaking Dynamically *(EA)*. *152*
Specialist *(EA,NA,TR)*. *153*
Steeper Communication/Teaching Aid *(AS,TR)*. *56*
Stickers for Talk Boards *(NA)*. *108*
Supercom 4400 TTY *(TD,TL)*. *190*
Superprint 100, 200, 400 *(PC,TD,TL)*. *190*
Superprint 4425 *(PC,TD,TL)*. *191*
Superprint ES TTY *(PC,TD,TL)*. *191*
Switch Module *(EA,TR)*. *153*
Switchboard *(EA)*. *154*
SynergyMac and SynergyPC *(PW,TI)*. *444*
System 2000 *(EA)*. *154*
Talk Back III *(EA,TR)*. *155*
Talk Back VI *(EA,TR)*. *155*

Talk:About *(EA)*. *156*
Talking Nouns, Talking Nouns II, and Talking Verbs *(TR,TT)*. *686*
Talking Pictures Communication Board *(NA)*. *109*
Talking Pictures, Kits I - VII *(NA,SI)*. *109*
Talking Screen *(EA,PA)*. *156*
Talking Screen for Windows *(EA,PA)*. *157*
Talking Switch Plates *(EA,TR)*. *157*
Talking Touch Window *(AS,TR,TT)*. *687*
TDD 2700, 2730, and 2830 *(PC,TD,TL)*. *192*
TDD Trainer System *(TD,TR)*. *58*
TeleBraille III *(PC,TD,TL)*. *193*
ToneTalker *(TD,TL)*. *194*
Touch 'N Talk Communication Board *(NA)*. *110*
Touch 'N Talk Communication Notebook *(NA)*. *110*
Touch 'N Talk Communication Stickers *(NA)*. *111*
Touch 'N Talk Micros *(NA)*. *111*
TS2010X Text to Speech Personal Communicating Device *(EA)*. *158*
Turn-Talking *(TR,TT)*. *695*
Uniphone TDD/TT *(TD,TL)*. *195*
VCS 3500 with TDD Software *(TD,TL)*. *196*
Versascan *(AS,TR)*. *63*
Vocal Assistant *(CM,EA)*. *159*
Voice Amplificaider *(SA,VA)*. *11*
VoiceBachs *(EA,SS)*. *159*
VoicePal *(EA,TR)*. *160*
VoicePal Plus *(EA,TR)*. *160*
VOIS 160 *(EA)*. *161*
VX-5000 Cordless Phone *(EC,PC)*. *305*
WalkerTalker *(EA)*. *161*
WhisperWolf *(EA)*. *162*
WinTalk *(TD,TL)*. *196*
WordWise Language & Master Cards *(NA)*. *112*
WordWise Sticker Set *(NA)*. *112*
Writalk Electronic Pen Pad *(TD,TL)*. *197*
Write *(ED,LS,SV)*. *733*
Writing Utensil Grips *(NA,PT)*. *113*
Yak Bak *(EA,TR)*. *162*
Zoo Kit *(NA)*. *113*

Database Management/Spreadsheets {DS}

Specially adapted hardware or software that provides the user with electronic database or spreadsheet capabilities. An example would be a voice-output spreadsheet program designed for blind computer users. Products which provide special access to many different software programs would not be included here (see "Alternate Inputs Usable with All Software," TI).

BIG for 1-2-3 *(LP,PA)*. *739*
File-Talk *(PA,SV)*. *750*
TouchWindow *(DR,ID,RE,TI,WP)*. *444*

Drawing {DR}

Special hardware or software designed to facilitate a disabled person's ability to draw.

Blocks in Motion *(RE,TT)*. *563*
Electric Crayon and Electric Crayon Deluxe *(PA,RE)*. *748*
Equalizer *(CI,EA,PW,RE,TI,WP)*. *131*
ETgraphX *(BR,PA)*. *749*
HeadMouse *(MT,TI)*. *394*
Mac-Apple Communications Aid *(CI,CN,ES,PA,TT,WP)*. *756*
MicroIllustrator *(PA,RE,TT)*. *758*
My Paint & Talking Coloring Books *(ES,LT,TT)*. *642*
One Switch Picasso *(RE,TT)*. *648*
Picture Perfect *(PA,RE)*. *762*
PowerPad *(RE,TI)*. *432*
Remote Keyboard for the Apple II+ and IIe *(TI)*. *436*
Scanning Picasso *(RE,TT)*. *668*
TouchWindow *(DS,ID,RE,TI,WP)*. *444*

Early Skills (Pre-Reading) {ES}

Software designed to teach skills that are pre-reading. "Later Skills" (LS) designates post-reading skills.

Adventures of Jimmy Jumper - Prepositions *(AS,LT,TT)*. *557*
Bear Jam *(TT)*. *561*
BEST Faces *(TT)*. *562*
Big/Little I and II *(TT)*. *562*
Body Builder *(TT)*. *564*
Buddy's Body *(AS,TT)*. *566*
Captain's Log: Cognitive Training System *(AS,CR,LS,TT)*. *568*
Cause 'n Effect *(TT)*. *571*
Circletime Tales & Circletime Tales Deluxe *(TT)*. *572*
Cognitive Rehabilitation Software *(LS,LT,TT)*. *573*
COINSNKEYS *(CN,KB,TT)*. *577*
Color Find *(TT)*. *578*
Colorful Concept Software *(TT)*. *578*
Colors and Shapes *(TT)*. *579*
Community Vehicles *(TT)*. *580*
Computer CUP *(LT,TT)*. *581*
Creature Cartoons *(GA,TT)*. *584*
Dino-Games *(TR,TT)*. *588*
Dinosaur Game *(GA,TR,TT)*. *589*
Early Concepts *(TT)*. *590*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,LS,TT)*. *591*
Early Learning I *(TT)*. *592*
Early Learning II *(CN,ED)*. *717*
Edmark Reading Program, Level 1 Software *(ED,LS)*. *718*
Eency-Weency Spider Game *(TT)*. *593*
ERIN (Early Recognition Intervention Network) *(AS,ED)*. *719*
Family Fun *(AS,TT)*. *596*
Fast Food Game *(TT)*. *596*
Feelings *(TT)*. *597*
First Categories *(LS,LT,TT)*. *599*
First Verbs and Primeros Verbos *(LT,TT)*. *601*
First Words *(LT,TT)*. *601*
First Words II *(LT,TT)*. *602*
Following Directions: One- and Two-Level Commands *(TT)*. *602*
Following Directions: Left and Right *(TT)*. *603*
Foundations I *(CR,TT)*. *604*
Foundations II *(CR,TT)*. *604*
Fundamental Concepts *(TT)*. *606*
Further Adventures of Jimmy Jumper - Perseverance *(AS,TT)*. *606*
Geometric Figures and Spatial Concepts *(ED)*. *720*
If You're Happy and You Know It *(TT)*. *610*
Interaction Games *(GA,TR,TT)*. *613*
Interaction Games II *(GA,TR,TT)*. *614*
Join the Circus *(AS,TT)*. *616*
JOKUS Software *(ED)*. *721*
Learning the Alphabet *(ED)*. *722*
Let's Go Shopping I and II *(TT)*. *624*
Letter Find *(CN,KB,SV,TT)*. *625*
Logo TouchTools for the PowerPad *(AS,TT)*. *627*
Mac-Apple Communications Aid *(CI,CN,DR,PA,TT,WP)*. *756*
Make It In Time *(AS,TT)*. *628*
Make It Scan *(AS,TT)*. *629*
Memory I *(CR,LS,TT)*. *632*
Memory II *(CR,LS,TT)*. *633*
Mix 'N Match *(TT)*. *636*
MusicWare *(CN,GA,LS,TT)*. *640*
MusicWare - Age Appropriate *(GA,TT)*. *641*
My Paint & Talking Coloring Books *(DR,LT,TT)*. *642*
Old MacDonald's Farm I and II *(LS,TT)*. *646*
Padded Food *(AS,TT)*. *650*
Padded Vehicles *(TT)*. *651*
Paper Dolls I and II *(AD,TT)*. *651*
Pictalk *(CI,TR,TT)*. *653*
Pictures Programs: I, II and III *(CR,LS,TT)*. *656*
Press to Play *(TR,TT)*. *660*
Rabbit Scanner *(AS,TT)*. *662*
Reactions (R73) *(TT)*. *663*
Reading Horizons *(ED)*. *725*
Rockets to the Moon *(GA,TR,TT)*. *666*
Run Rabbit Run *(AS,TT)*. *666*

Sharon's Programs *(ED,LS)*. *726*
Shell Game & Mouse Game *(GA,TT)*. *672*
Silly Sandwich *(TT)*. *673*
Simple Sentence Structure *(LT,TT)*. *673*
Switch Art *(TT)*. *683*
Switch It - Change It *(TT)*. *683*
Switch It - See It *(TT)*. *684*
Tea Party *(TT)*. *688*
Telling Time, Parts of the Face, Learning Colors *(TT)*. *690*
This is the Way We Wash Our Face *(TR,TT)*. *691*
Touch and Match *(TT)*. *692*
Touch and See *(TT)*. *693*
UKanDu Switches, Too! *(TT)*. *697*
Visual Motor Skills *(TT)*. *701*
Wheels On The Bus I, II, III *(TR,TT)*. *704*
Wheels on the Bus I, II, III - Intellipics Activity *(GA,TT)*. *704*
Wheels on the Bus: COMPLETE *(TT)*. *705*
Where is Puff? *(TT)*. *705*
Worm Squirm *(TR,TT)*. *708*
Zoo Time *(TT)*. *709*

Electronic Communication and Writing Aids {EA}

Dedicated electronic conversation and writing aids. Most offer printed output, synthesized voice output, or both.

A.I.P.S. Wolf (Alternate Input Peripheral System), *117*
Able2Speak, *117*
Abovo PCD *(CI,PW)*. *118*
ActionVoice *(CI,TR)*. *118*
AlphaTalker *(CI,TI)*. *119*
Attainment Fifteen Talker *(CI,TR)*. *119*
Attainment Five Talker & Talker Plus *(CI,TR)*. *120*
Attainment Two Talker *(CI,TR)*. *120*
Audible Cursor Routine *(CI,PA,TR)*. *121*
AudScan II *(CI)*. *121*
Aurora 2.0 for DOS *(CI,LP,TA,TI,WP)*. *376*
BIGmack *(CI,TR)*. *122*
BlackHawk *(CI)*. *122*
Canon Communicator CC-7S and CC-7P *(CI)*. *123*
CarryCom *(CI)*. *123*
Cheap Talk 4 & 8 *(CI,TR)*. *124*
Communication Programs *(CI,EC,TR)*. *124*
Communilight 24 *(TR)*. *37*
Companion 401 Communicator *(CI,CM,TL,TR)*. *125*
Crespeaker *(CI,TL)*. *125*
Crestalk *(CI)*. *126*
DAC *(CI,SS)*. *126*
DeltaTalker *(CI)*. *127*
DigiTalk 1 *(CI,TR,TT)*. *127*
DigiVox *(CI)*. *128*
Dvorak One-Hand Typewriter *(CI,PW)*. *128*
DynaVox2 & DynaVox2c *(CI)*. *129*
DynaVox2 DOS & DynaVox2 Mac, *129*
EasyTalk *(CI)*. *130*
Electronic Speech Synthesizers, *130*
Equalizer *(CI,DR,PW,RE,TI,WP)*. *131*
EvalPAC with RealVoice *(AS,CI,EC,PW,TI)*. *131*
Eyegaze Computer System *(EC,PC,TI)*. *132*
FingerFoniks *(CI)*. *132*
Gus! Multimedia Speech System *(CI,KM,TI)*. *133*
Handheld Computers and Personal Organizers *(CM,WP)*. *133*
Handy Speech Communication Aide *(CI,SS)*. *134*
Hawk *(CI,TR)*. *134*
Heidico Intertalk *(CI,TD)*. *135*
Help U Type and Speak *(CI,KM)*. *135*
HyperBliss 3.2, *136*
I Can Speak *(CI)*. *136*
IntelliTalk *(CI,PA)*. *137*
Liberator *(CI,CN,EC,PW,TI)*. *137*
LightWRITER SL35 *(CI)*. *138*
LightWRITER SL5 *(CI)*. *138*
LightWRITER SL85 *(CI)*. *139*
Lingraphica *(CI,CR,PA)*. *139*
Lynx *(CI,TR)*. *140*
Macaw Series *(CI)*. *140*
MegaWolf *(CI)*. *141*
MessageMate 20 *(CI,TR)*. *141*
MessageMate 40 *(CI,TR)*. *142*
Messenger *(CI,TR)*. *142*
Meta4 *(CI)*. *143*
Mini Talking Card Reader *(CI,TR)*. *143*
Mini-MessageMate *(CI,TR)*. *144*
Parrot *(CI,TR)*. *144*
Pegasus *(CI,EC)*. *145*
Personal Trainer *(CI,TR)*. *145*
Picture Icon X-CHANGE, *146*
Polycom *(CI,PC,PW,TL,WP)*. *146*
ReadyScan *(CI)*. *147*
RealVoice *(AS,CI,EC,PW,TI)*. *147*
Say-It-All II Plus *(CI,KG,PW)*. *148*
Say-It-Simply Plus *(CI,TR)*. *148*
Scan Com *(CI,EC)*. *149*
Scan-It-All *(CI,EC)*. *149*
ScanPAC *(CI,CN,EC,PW,TI)*. *150*
Scribe *(CI,KG,PW)*. *150*
Secretary *(CI,PW,TR)*. *151*
Shadow Talker *(CI,TR)*. *151*
SpeakEasy *(CI)*. *152*
Speaking Dynamically *(CI)*. *152*
Specialist *(CI,NA,TR)*. *153*
Switch Module *(CI,TR)*. *153*
Switchboard *(CI)*. *154*
System 2000 *(CI)*. *154*
T-TAM Keyboard and Mouse Emulator *(IA,KM,MT,TI)*. *463*
Talk Back III *(CI,TR)*. *155*
Talk Back VI *(CI,TR)*. *155*
Talk:About *(CI)*. *156*
Talking Screen *(CI,PA)*. *156*
Talking Screen for Windows *(CI,PA)*. *157*
Talking Switch Plates *(CI,TR)*. *157*
TS2010X Text to Speech Personal Communicating Device *(CI)*. *158*
VisionKey *(TI)*. *158*
Vocal Assistant *(CI,CM)*. *159*
VoiceBachs *(CI,SS)*. *159*
VoicePal *(CI,TR)*. *160*
VoicePal Plus *(CI,TR)*. *160*
VOIS 160 *(CI)*. *161*
WalkerTalker *(CI)*. *161*
WhisperWolf *(CI)*. *162*
Yak Bak *(CI,TR)*. *162*

Environmental Controls {EC}

Devices or systems whose functions is to control some other device in the person's environment: lamp, TV, telephone, etc. Exceptions are (1) devices used to control computers and (2) devices used to control battery-operated devices (such as toys) for the purpose of encouraging switch operation or teaching communication skills. The former are listed under Alternate Inputs Usable with All Software (TI), the latter are listed under Training and Communication Initiation (TR).

911 Telephone Terminal *(CI,TL)*. *263*
AbiliTech Commander IR, *263*
AbiliTech Commander X-10, *264*
AbiliTech Communicator *(CI,PC)*. *264*
AbiliTech Home Control System *(PC)*. *265*
Ability Switch Phone Sequencer *(CI,PC)*. *265*
Able-Phone 100WA *(PC)*. *266*
Able-Phone 1900 and 2000 *(PC)*. *266*
Able-Phone 6000SX *(PC)*. *267*
ACS Headsets *(PC)*. *267*
Activity Board *(AS,TR)*. *30*
Adapted Telephone Interfaces *(PC)*. *268*
APT Automaddak Page Turner System *(BP)*. *268*
Automatic Drapery Opener System, *269*

Bed Control (DBC-1), *269*
Big Button Bed Control, *270*
Butler-in-a-Box *(PC,TI), 270*
CCT Environmental Control, *271*
CINTEX 1 *(PA,PC,RE,TA,TI,WP), 744*
CINTEX2 *(PA,PC), 271*
Communication Programs *(CI,EA,TR), 124*
Control 1 *(PC), 272*
Controller, *272*
Custom Speaker Phone *(PC), 273*
Delay Timer Box *(AS,TR), 40*
DEUCE *(PC), 273*
Dual Channel Latching Switch Interface *(AS,TR), 41*
E Z Keys *(KM,TA), 339*
E.A.S.I.dialer (2110) *(PC), 274*
EASICORDER, *274*
Environment Control, *275*
Environmental Control Units, *275*
EvalPAC with RealVoice *(AS,CI,EA,PW,TI), 131*
Expanded Keyboard for Automatic Telephone *(PC), 276*
Eye Slaved Pointing System *(PC,TI), 387*
Eyegaze Computer System *(EA,PC,TI), 132*
EZ-TV Adapted Infrared Remote Control for Televisions, *276*
EZRA *(CI,CM,PC), 277*
F71863 Touchables Touch Phone Attachments *(PC), 277*
First Aide Kit *(CM,PC), 278*
Fone Holder *(PC), 278*
FreeSwitch, *279*
GEWA Infra-Link Speaker-Telephone *(CI,PC), 279*
GEWA Infra-Link System *(PC), 280*
Gewa Page Turner *(BP), 280*
Giant Push Button Telephone Adapter *(PC), 281*
HAL (Home Automation Link) *(PC,TI), 392*
HandiPHONE *(CI,PC), 281*
Head Position Interface, *222*
HECS-1 *(PC), 282*
High Tech/Low Cost *(CM,NA,PT,TR), 223*
Home Control Systems, *282*
HomeAccess *(PA), 283*
In & Out Automatic Door Controller, *283*
Infrared Remote Control IRTI-I, *284*
Intercom (4392) *(CM), 318*
Kincontrol (4105), *284*
LIAISON *(KE,PC,TI), 407*
Liberator *(CI,CN,EA,PW,TI), 137*
Mastervoice Environmental Control Single User Unit *(PC), 285*
Media Handling Products *(BP,PT), 549*
Memory Button Telephones *(PC), 285*
Mini-Environmental Control (ECU) Box, *286*
Motorized Easel *(BP), 286*
MultiPhone *(CI,PC), 287*
Next Page Page Turner (4600) *(BP), 287*
On/Off Remote Switch, *288*
Pegasus *(CI,EA), 145*
Phone Manager *(PA,PC), 288*
PhoneAccess *(PC), 289*
Portable Telephones *(PC), 289*
PowerLink 2, *290*
PROXi *(PC), 290*
RC5000 Radio Home Control System *(CM), 291*
RealVoice *(AS,CI,EA,PW,TI), 147*
RELAX (8200), *291*
Remote Control Speakerphone Model RC3000 *(PC), 292*
Saltus Reader *(BP), 292*
Sapura S2000 CL *(PC), 293*
Scan Com *(CI,EA), 149*
Scan-It-All *(CI,EA), 149*
Scanning Director, *293*
Scanning Remote Control (SRC), *294*
Scanning X-10 Powerhouse, *294*
ScanPAC *(CI,CN,EA,PW,TI), 150*
SenSei System *(PA,PC,TI,TL), 295*
Simplicity Series ECUs *(PC), 295*
Single-Appliance Continuous Control Unit *(TR), 296*
Single-Switch Multi-Appliance Control Unit & Modules, *296*
Single-Switch TV Control Unit, *297*
Sip/Puff Bed Control, *297*
Slide Projector Control *(RE,TR), 55*
Speaker Phones *(PC), 298*
Switch Latch (4388) *(AS,TR), 56*
Synergy Integrated Remote *(PA), 298*
T-140 Series Puff/Sip Speakerphones *(PC), 299*
TEAM *(PA), 299*
Telephone Holder & Line Connector *(PC), 300*
Telephone Management System *(PC), 300*
Timer Module *(AS,TR), 59*
Touch Turner *(BP), 301*
Training Aid 2 *(AS,TR), 61*
TVRC and TVRCS, *301*
U-Control, *302*
Ultra 4 Remote System & Scanning Ultra 4, *302*
Universal Control System with Tongue Touch Keypad *(PC), 303*
Universal Remote Controls, *303*
Universal Telephone Adapter *(PC), 304*
Universal Television Remote Control, *304*
URC-400 Series Universal Remote Control, *305*
VX-5000 Cordless Phone *(CI,PC), 305*
Wireless TV & VCR Remote Controls, *306*
X-10 Home Control Interface, *306*
X-10 Powerhouse System, *307*

Games {GA}

Software products that consist of a game or are written in a game format. Educational programs with a game format will also be listed under Adaptive Educational Software (ED).

Audio Braille Game Tutorial *(BR,RE,TT), 560*
Bozons' Quest *(LS,TT), 564*
Creature Antics and Creature Capers *(TR,TT), 584*
Creature Cartoons *(ES,TT), 584*
Creature Magic *(LS,LT,RE,TT), 586*
CrossWords *(LS,TT), 586*
Dinosaur Game *(ES,TR,TT), 589*
Every Day Is A Holiday *(RE,TT), 595*
FingerZoids *(SI,TT), 599*
Governor (2464) *(PA), 547*
H:1 Handicapped Word Games *(ED,LS,PA,RE), 752*
Interaction Games *(ES,TR,TT), 613*
Interaction Games II *(ES,TR,TT), 614*
Listen With Your Ears *(TT), 626*
Math Max *(CN,CR,TT), 630*
Maze *(RE,TT), 631*
Mind Castle I and II *(LS,TT), 635*
Motor Training Games *(AS,PA,RE,TT), 638*
Motor Training Games *(TR,TT), 638*
Mouth Operated Joystick for Genesis Video Game *(RE,TI), 422*
Multi-SCAN *(TR,TT), 639*
Muppet Learning Keys *(ID,TI), 423*
MusicWare *(CN,ES,LS,TT), 640*
MusicWare - Age Appropriate *(ES,TT), 641*
Pick-A-Meal *(AD,TT), 653*
PowerPad Preschool Pack I & II *(TT), 658*
Race the Clock *(RE,TT), 662*
Rockets to the Moon *(ES,TR,TT), 666*
Shell Game & Mouse Game *(ES,TT), 672*
Son of Seek and Find *(TT), 676*
Switch Arcade *(RE,TT), 682*
Switch Arcade *(TT), 682*
Talking Literacy Kit for the Apple IIe (TALK IIe) *(KB,TT,WP), 686*
Trip to the Zoo *(TT), 695*
Wheels on the Bus I, II, III - Intellipics Activity *(ES,TT), 704*
Wordplay with Alps and Droops *(ED,LS), 732*

Input Adapters for Computers {IA}

Special adapters that go between adaptive devices (switches, controls, keyboards, etc.) and the standard computer. These adapters have no function in and of themselves except to act as an adapter to allow the special input device to be plugged into the computer. The adapters may simply adapt from one type of connector to another (for instance a box that connects switch plugs to a joystick plug), or they may provide more sophisticated functions (for example keyboard emulating interfaces for adapting communication aids to computers).

Access Pack for Microsoft Windows *(KM,MT,TI), 331*
AccessDOS *(KM,MT,TI), 332*
Adaptive Firmware Card Model G32e *(KE,KM,TI), 374*
Apple Computer Input Adapter, *453*
BEST Switch Interface, *453*
ClickIt!, *454*
Computer Interface Box, *454*
Computer Switch Interface, *455*
CrossScanner, *455*
DA-II Adapter, *456*
Input Adapter, *456*
Internal I/O Port Adapter, *457*
Judy Lynn PC Adapter, *457*
Keyboard Expander, *458*
Keyboard Interfaces *(KE), 458*
Mac PowerPad Interface for Single Switches, *459*
Macintosh Switch Interface (M09), *459*
One Access *(TI), 427*
PCMaster & Windows Master *(BR,SV,VS), 460*
PlayMAGIC, *460*
Porter, The, *461*
PowerSwitch, *461*
SS-ACCESS!, *462*
SuperPort, *462*
Switch Interface, *463*
SynPhonix 210 and 215 *(SS), 536*
T-TAM Keyboard and Mouse Emulator *(EA,KM,MT,TI), 463*
Universal Input Adaptor, *464*
WinSCAN: Limited Edition, *464*

Input Devices Usable with Only Some Software {ID}

Special input devices that can be used with computers but which do not provide "transparent" access; that is, they do not allow the user to operate all software that could be operated with an equivalent "standard" input device, such as a keyboard or mouse. Instead, these input devices are designed to be used in conjunction with software written expressly for them. If a special hardware or software adaptor is available that converts the input device to transparent input device, then it is listed under Alternate Inputs Usable with All Software (TI), above.

Hand Controls *(TI), 392*
Listen for Windows *(TI), 409*
Muppet Learning Keys *(GA,TI), 423*
Switch-Back *(TI), 443*
TouchWindow *(DR,DS,RE,TI,WP), 444*

Keyboard Emulating Interfaces (Adapters Only) {KE}

Adapters which allow some device that does not normally emulate a standard computer keyboard to emulate a standard computer keyboard. For instance, certain keyboard emulation interfaces can be connected between an electronic communication aid and a computer so that the user of the aid can operate the computer using the communication aid instead of the computer's regular keyboard.

Adaptive Firmware Card Model G32e *(IA,KM,TI), 374*
Ke:nx *(MT,TI), 402*
Keyboard Interfaces *(IA), 458*
LIAISON *(EC,PC,TI), 407*
My-T-Mouse *(TI), 424*

Keyboarding Training Programs {KB}

Software which facilitates the acquisition of keyboarding skills (using the standard computer keyboard). Only keyboarding programs especially designed for disabled computer users are included.

COINSNKEYS *(CN,ES,TT), 577*
Computer Literacy Series *(TT), 582*
Keyboarding by Ability *(ED,TT), 617*
Keyboarding for Individual Achievement *(ED,TT), 617*
Keyboarding for People with Cerebral Palsy *(ED,TT), 618*
Keyboarding Program with Voice Output *(TT), 618*
Keyboarding with One Hand *(ED,TT), 619*
Keys to Success: Comp. Keybd. Skills for Blind Children *(SV,TT), 619*
Letter Find *(CN,ES,SV,TT), 625*
Opening Windows *(TT), 649*
PC Typer *(TT), 652*
Talking Literacy Kit for the Apple IIe (TALK IIe) *(GA,TT,WP), 686*
Talking Typer *(SV,TT), 687*
Talking Writer & Four Games *(LP,PA,SV,TT,WP), 766*

Keyguards {KG}

Plastic or metal plate that covers the computer keyboard, with holes positioned over each of the keys. Also, any device with a built-in or optional keyguard.

Custom Keyguard *(KM), 336*
Expanded Keyboard for IBM Computers *(TI), 385*
Expanded Keyboards for the Talking BlissApple *(TI), 386*
KeyGuard *(KM), 349*
Keyguard *(KM), 349*
Keyguards *(KM), 350*
PowerPad Keyguard *(KM), 359*
Reinforced Keyguard *(KM), 362*
Say-It-All II Plus *(CI,EA,PW), 148*
Scribe *(CI,EA,PW), 150*

Language Therapy/Development {LT}

Software designed to be used for language therapy or language development. Not the same as Speech Therapy (ST).

Adventures of Jimmy Jumper - Prepositions *(AS,ES,TT), 557*
Breakthrough to Language: Clinical Edition *(ST,TT), 565*
Breakthrough to Language: Home Edition *(ST,TT), 566*
CanSpeak *(CI,TT), 568*
Cognitive Rehabilitation Software *(ES,LS,TT), 573*
Community Signs *(AD,LS,TT), 580*
Computer CUP *(ES,TT), 581*
CONCENTRATE! On Words & Concepts *(LS,TT), 582*
Core Reading and Vocabulary Development *(ED,LS,TT), 583*
Creature Magic *(GA,LS,RE,TT), 586*
Early Emerging Rules Series *(LS,TT), 591*
Employment Signs *(AD,LS,TT), 594*
Exploring Early Vocabulary Series *(LS,TT), 595*
First Categories *(ES,LS,TT), 599*
First Step Software *(TT), 600*
First Verbs and Primeros Verbos *(ES,TT), 601*
First Words *(ES,TT), 601*
First Words II *(ES,TT), 602*
GrammarPlay with Alps and Droops *(LS,TT), 607*
Inferential Naming for Cognitive and Language Disorders *(CR,LS,TT), 611*
Information Signs *(AD,LS,TT), 612*
Let's Go to the Circus *(TT), 624*

Micro-LADS and Micro-LADS in French *(TT), 634*
Multiple Meaning Words I Plus for Windows *(TT), 639*
Multiple Meaning Words II Plus for Windows *(TT), 640*
MY HOUSE: Language Activities of Daily Living *(LS,TT), 641*
My Paint & Talking Coloring Books *(DR,ES,TT), 642*
MY TOWN: Language Activities of Daily Living *(LS,TT), 643*
Picture Cue Dictionary *(AD,CI,NA,TT), 654*
Rate Drill in Articulation, Language and Fluency *(ST,TT), 663*
Safety Signs *(AD,LS,TT), 667*
Semantic Development Using Code Breaking Strategies *(LS,TT), 670*
Sentence Completion Plus for Windows *(TT), 670*
Sentence Key & Picture Sequence Key *(TT), 671*
Simple Sentence Structure *(ES,TT), 673*
Survival Words *(AD,AS,LS,TT), 681*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,TT), 681*
Transportation Signs *(AD,LS,TT), 694*
Twenty Categories *(LS,TT), 696*
Verbal Analogies *(LS,TT), 698*
Verbal Analogies Plus for Windows *(TT), 699*
Word Order in Sentences *(LS,TT), 706*
Word Order Plus for Windows *(TT), 707*
Words and Concepts I, II, III *(LS,TT), 707*
WordWise Software *(TT), 708*

Large Print Output {LP}

Software or devices specifically designed to produce large print, either on the screen or on paper. The product must be designed to be usable by people with visual impairments.

ADAPTA-LAN *(CI,PC,TI,WP), 374*
Adjustable EZ Magnifier *(MG), 493*
Aurora 2.0 for DOS *(CI,EA,TA,TI,WP), 376*
B-Edit *(PA,TA,WP), 738*
Beamscope *(MG), 494*
BEX 3.1 *(BR,PA,SV,WP), 739*
BIG for 1-2-3 *(DS,PA), 739*
BIG for WordPerfect *(PA), 740*
Big-W *(MG), 494*
Big:Calc *(CN,PA), 740*
Biggy *(PA), 741*
Calc-Talk *(CN,PA,SV), 743*
CloseView *(MG), 495*
Combination Braille/Large Print Keytop Labels *(BR,KM), 335*
Compu-Lenz *(MG), 495*
Eye Relief *(PA,WP), 750*
Gizmo *(SV,VS), 473*
GNK Magnifier *(MG), 496*
inLARGE 2.0 *(MG), 496*
Language Master Special Edition - LM6000SE
    (LS,PA,SV,TT,VS), 477
Large Print Word Processors *(PA,WP), 755*
Large-Type Display Utility Software *(MG), 497*
LP-DOS & LP-Windows *(MG), 498*
MAGic and MAGic Deluxe *(MG), 498*
Magic Slate II *(LS,PA,TT,WP), 756*
Magnum GT *(MG), 499*
MegaDots *(BR,PA), 757*
NuVu Magnifier *(MG), 500*
Optacon II *(BT), 518*
Panorama *(MG), 500*
Powerama *(MG), 501*
Screen Magnifier/2 *(MG), 501*
Speak Out VOILA *(MG,SV,TI,VS), 440*
Storytime Series *(AD,TR,TT), 679*
Storytime Series for Macintosh *(AD,TR,TT), 679*
Talking Writer & Four Games *(KB,PA,SV,TT,WP), 766*
Vantage CCD *(MG), 502*
VisAbility *(PA), 771*
Vista *(MG), 502*
ZoomText 5 *(MG), 503*

Later Skills (Includes Reading) {LS}

Software designed to teach post-reading academic skills. Early Skills (ES) designates skills that are pre-reading.

Antonyms and Synonyms (Cognitive Disorders 12) *(CR,TT), 557*
APH/SEI Talking Software *(ED,SV), 713*
Aphasia Series: I through VIII *(CR,TT), 558*
Arithmetic 1, 2, and 3 with Speech *(CN,ED,SV), 714*
Basic Learning Skills Courseware *(CN,ED), 714*
Be a Winner Series *(TT,VO), 561*
Blueprint for Decision Making *(TT), 563*
Bozons' Quest *(GA,TT), 564*
CAMEO *(AD,CN,ED), 715*
Captain's Log: Cognitive Training System *(AS,CR,ES,TT), 568*
Career English *(ED,VO), 715*
Cognitive Rehabilitation Software *(ES,LT,TT), 573*
Cogrehab Vol. 1 *(CR,TT), 574*
Cogrehab Vol. 2 *(CR,TT), 574*
Cogrehab Vol. 3 Version 2.0 *(CR,TT), 575*
Cogrehab Vol. 4 *(CR,TT), 575*
Cogrehab Vol. 5 *(CR,TT), 576*
Cogrehab Vol. 6 *(CR,TT), 576*
Cogrehab Vol. 7: Quest *(CR,TT), 577*
Community Signs *(AD,LT,TT), 580*
Complete Spelling Program *(ED), 716*
CONCENTRATE! On Words & Concepts *(LT,TT), 582*
Core Reading and Vocabulary Development *(ED,LT,TT), 583*
Creature Magic *(GA,LT,RE,TT), 586*
CrossWords *(GA,TT), 586*
Drive to Live *(ED), 716*
Early Emerging Rules Series *(LT,TT), 591*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,ES,TT), 591*
Early Learning III *(CN,ED), 717*
Edmark Reading Program, Level 1 Software *(ED,ES), 718*
Elementary Volume 1 - Mathematics *(CN,ED,SV), 718*
Employment Signs *(AD,LT,TT), 594*
Exploring Early Vocabulary Series *(LT,TT), 595*
First Categories *(ES,LT,TT), 599*
GrammarPlay with Alps and Droops *(LT,TT), 607*
Grocery Store Words *(AD,TT), 608*
H:1 Handicapped Word Games *(ED,GA,PA,RE), 752*
H:2 Handicapped Arithmetic Flash Cards *(CN,ED,RE), 721*
Hierarchical Attention Training *(CR,TT), 608*
Homographs *(CR,TT), 609*
Homophones *(CR,TT), 609*
Inferential Naming for Cognitive and Language Disorders
    (CR,LT,TT), 611
Information Signs *(AD,LT,TT), 612*
Job Seeking Series *(TT,VO), 615*
K.C. & Clyde in Fly Ball *(ED), 722*
Language Master Special Edition - LM6000SE
    (LP,PA,SV,TT,VS), 477
Learning Activity Packets (LAPs) *(CN,TT,VO), 621*
Learning How to Learn Series *(TT), 621*
Learning to Reason Series *(TT), 622*
Listen and Spell *(ED), 723*
Magic Slate II *(LP,PA,TT,WP), 756*
Medical Words *(AD,TT), 631*
Memory I *(CR,ES,TT), 632*
Memory II *(CR,ES,TT), 633*
Mind Castle I and II *(GA,TT), 635*
Money Matters *(TT), 637*
Money Skills *(AD,CN,TT), 637*
MusicWare *(CN,ES,GA,TT), 640*
MY HOUSE: Language Activities of Daily Living *(LT,TT), 641*
MY SCHOOL: Language Activites of Daily Living *(TT), 642*
MY TOWN: Language Activities of Daily Living *(LT,TT), 643*
Numeric Concepts I and II *(TT), 644*
Octobus *(CN,CR,TT), 645*
Old MacDonald's Farm I and II *(ES,TT), 646*
Personal Development Software Series *(TT), 652*
Pictures Programs: I, II and III *(CR,ES,TT), 656*
Prefixes *(ED,SV), 723*
Primer 83 *(AS,TT), 660*

Program for Aphasics *(CR,ED), 724*
Readable Stories Series *(ED), 724*
Safety Signs *(AD,LT,TT), 667*
Semantic Development Using Code Breaking Strategies *(LT,TT), 670*
Sensible Speller: Talking APH Edition *(ED,SV), 725*
Sentence Master *(TT), 671*
Sharon's Programs *(ED,ES), 726*
Sight Word Spelling *(ED,SV), 726*
Sight Words *(TT), 672*
Speaking Speller *(ED,SV), 727*
Special Education Public Domain Software *(CR,ED,TT), 677*
Spell-A-Word & 2+2 *(CN,ED), 727*
Spell-Talk *(ED,SV), 728*
Spelling Tutor *(ED), 728*
SPELLIST *(ED), 729*
Spin and Spell *(ED), 729*
Survival Words *(AD,AS,LT,TT), 681*
Swim, Swam, Swum: Mastering Irregular Verbs *(LT,TT), 681*
Talking Public Domain Disks *(ED,SV,TT,VO), 730*
Talking Riddles *(ED,SV), 731*
Transportation Signs *(AD,LT,TT), 694*
Twenty Categories *(LT,TT), 696*
UKanDu Little Books *(TT), 696*
Verbal Analogies *(LT,TT), 698*
Voice Reading Ability Drill *(ED), 732*
Vortex Machine Assisted Reader Software *(TT), 703*
Word Order in Sentences *(LT,TT), 706*
Wordplay with Alps and Droops *(ED,GA), 732*
Words and Concepts I, II, III *(LT,TT), 707*
Write *(CI,ED,SV), 733*
WSCC (Washington State Cooperative Curriculum) *(TT), 709*
Zero to Five *(ED), 734*

Magnification Hardware and Software for Computer Displays {MG}

Software or hardware products whose primary purpose is to magnify the image on a standard computer screen. This category includes only large print products that are designed to work with all software applications. Products that produce large print in a single application are given the function code Large Print (LP).

Adjustable EZ Magnifier *(LP), 493*
B-Pop, *493*
Beamscope *(LP), 494*
Big-W *(LP), 494*
CloseView *(LP), 495*
Compu-Lenz *(LP), 495*
GNK Magnifier *(LP), 496*
inLARGE 2.0 *(LP), 496*
Large-Type Display Utility Software *(LP), 497*
Lens 2.03, *497*
LP-DOS & LP-Windows *(LP), 498*
MAGic and MAGic Deluxe *(LP), 498*
Magnum Deluxe, *499*
Magnum GT *(LP), 499*
NuVu Magnifier *(LP), 500*
Panorama *(LP), 500*
Powerama *(LP), 501*
Screen Magnifier/2 *(LP), 501*
Speak Out VOILA *(LP,SV,TI,VS), 440*
Vantage CCD *(LP), 502*
Vista *(LP), 502*
ZoomText 5 *(LP), 503*

Modifications for Standard Keyboards {KM}

Hardware or software that modifies how a computer's standard keyboard operates. Hardware adaptations include keyguards, key latches, moisture guards, foot operated shift keys, etc. Software adaptations include programs for adjusting the keyboard repeat rate, programs for accelerated typing, programs for rearranging the keyboard, and programs that electronically "lock" keys such a SHIFT. This code includes only products which adapt a computer's standard keyboard. Actual alternative keyboards are listed under Alternate Inputs Usable with All Software (TI). Adaptations and modifications for parts of the computer other than the keyboard can be found under Other Software or Hardware Adaptations (OA).

1-Key, *331*
Access Pack for Microsoft Windows *(IA,MT,TI), 331*
AccessDOS *(IA,MT,TI), 332*
Adaptive Firmware Card Model G32e *(IA,KE,TI), 374*
Articulating Drawers, *332*
ASER Ergonomic Keyboard Layout *(RS), 333*
Aurora for Windows *(TA,TI,WP), 333*
Braille Keytop Labels *(BR), 334*
Brailled Keyboard Overlay for the Apple IIGS *(BR), 334*
CarpalRest *(RS), 335*
Combination Braille/Large Print Keytop Labels *(BR,LP), 335*
Comfortype *(RS), 336*
Custom Keyguard *(KG), 336*
DataArm *(RS), 337*
Dvorak Computer Keyboard, *337*
Dvorak Conversion Keytop Labels, *338*
Dvorak Keyboard Layouts, *338*
E Z Keys *(EC,TA), 339*
Easy Access *(MT), 339*
Ergorest Articulated Forearm Rests *(RS), 340*
Expanded Keyboard Emulator *(TA), 340*
Filch, *341*
FlexShield Keyboard Protectors, *341*
Gus! Multimedia Speech System *(CI,EA,TI), 133*
Half-QWERTY One-handed Keyboard Software, *342*
HandiKEY and HandiKEY Deluxe, *342*
HandiSHIFT, *343*
HandiWORD and HandiWORD International *(TA), 343*
Help U Type *(TA), 344*
Help U Type and Speak *(CI,EA), 135*
High Dots *(BR), 344*
Home-Row Key Indicators, *345*
HX-20 Protective Cover, *345*
JDN Shorthand (5073) *(TA), 346*
KeyAbility, *346*
Keyboard Covers, *347*
Keyboard Overlays for Apple IIe and IIgs, *347*
Keyboard Wrist Rest, *348*
Keycache *(TA), 348*
KeyGuard *(KG), 349*
Keyguard *(KG), 349*
Keyguards *(KG), 350*
Keylocks, *350*
KeyMagic, *351*
KeyREP *(TA), 351*
KeyStopper, *352*
KeyWiz *(TA), 352*
LAP CAT *(RS), 353*
Left or Right Handed Keyboards, *353*
MacQWERTY, *354*
MacroMaster/pro *(TI), 411*
Magic Fingers *(TA), 354*
MiniErgo-MF2 *(RS,TI), 417*
Moisture Guard, *355*
MOUSE PERCH *(RS), 355*
NOHOLD, *356*
Notebook Computer Wrist Rest, *356*
OmniKey Keyboards, *357*
On/Off Adaptor Switch, *357*
One-Hand Keyboard Package, *358*
PAL *(TA), 358*

PECK Computer Software, *359*
PowerPad Keyguard *(KG), 359*
PRD+ (Productivity Plus) Basic Edition *(TA), 360*
Prefix, *360*
ProKey *(TA), 361*
QuicKeys *(TA), 361*
Reinforced Keyguard *(KG), 362*
Roll & Slide Keyboard Wrist Support, *362*
SafeSkin Keyboard Protector, *363*
Step On It! Computer Control Pedals, *363*
Stick-On Keylocks, *364*
Stickey, *364*
T-TAM Keyboard and Mouse Emulator *(EA,IA,MT,TI), 463*
Tempo for Windows *(TA), 365*
Tempo II Plus *(TA), 365*
TempoEZ *(TA), 366*
TimeOut UltraMacros *(TA), 366*
Uni-Key, *367*
VT520 Terminals - Accessibility Features, *367*
WordWriter *(TA,WP), 368*
WRIST PERCH *(RS), 368*
ZoomCaps, *369*

Mounting Systems {MS}

Devices used to mount switches, communication systems, or computer access devices so that an individual can access them optimally.

Adaptive Fixtures Kit, *165*
Communication Station, *165*
Daessy Desktop Mount, *166*
Daessy Folding Mount, *166*
Flexible Wheelchair/Table Mounting Kit, *167*
Head Mounting Kit, *167*
Laptrays, *168*
Low-Tech Adaption Materials, *168*
Magic Arm System, *169*
Mighty Mount, *169*
Moulded Plastic Wheelchair Tray, *170*
Mounting Packages & Switches, *170*
Mounting Switch Mount, *171*
PowerBook Mounting Plate, *171*
Quick 'n Easy 2, *172*
Slim Armstrong, *172*
Support Station, *173*
Switch Mounting Hardware, *173*
Switch Mounting Kit, *174*
Switch Mounts, *174*
TASH Mounting Parts, *175*
Universal Switch Mounting System, *175*
WCMK, *176*

Mouse and Touch Pad Emulation {MT}

Special inputs which can be used in place of a standard mouse or touch pad, or any interface (adapter) that allows some special input device to function like a mouse or touchpad.

Access Pack for Microsoft Windows *(IA,KM,TI), 331*
AccessDOS *(IA,KM,TI), 332*
Adap2U *(TI), 373*
AmTRAC *(TI), 375*
BallPoint Mouse *(TI), 377*
Cirque GlidePoint Trackpads *(TI), 380*
Cordless WinMouse *(TI), 381*
Easy Access *(KM), 339*
Expert Mouse *(TI), 387*
FastTRAP *(TI), 389*
Felix *(TI), 389*
First-Finger WinTrack *(TI), 390*
HeadMaster Plus *(TI), 393*
HeadMouse *(DR,TI), 394*
Hereward Tracker Ball & Joystick Module *(TI), 395*
Icontroller *(TI), 396*
Jouse *(TI), 400*
Joystick to Mouse Driver *(TI), 400*
K-U-I *(TI), 401*
Ke:nx *(KE,TI), 402*
LipStick and WordWriter *(TI), 408*
MacKing *(TI), 409*
MacMini *(TI), 410*
MacTRAC *(TI), 411*
MICE *(TI), 413*
MIKE (Mouse Interface & Keyboard Emulation) *(TI), 415*
Mouse-Trak *(TI), 419*
MouseMan Cordless *(TI), 420*
MouseMover - Mac (5005) *(TI), 420*
MouseMover - PC Windows (5004) *(TI), 421*
MousePen *(TI), 421*
MouseStick II *(TI), 422*
MyKey *(RS,TI), 424*
NoMouse *(TI), 426*
Optimouse *(TI), 428*
PC-TRAC *(TI), 429*
Pen Style Mouse *(TI), 430*
PortaPoint *(TI), 431*
ProPoint *(TI), 434*
QUADLynx Trackball *(TI), 435*
RemotePoint *(TI), 436*
RevolvingDoors *(TI), 437*
Serial Trackball and PS/2 Trackball *(TI), 439*
Stingray *(TI), 441*
Switch-Adapted Mouse (SAM) *(TI), 442*
SwitchMouse *(TI), 443*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,TI), 463*
Trackball Pro *(TI), 445*
TrackMan Live! *(TI), 445*
TrackMan Voyager *(TI), 446*
Trak101 Keyboard *(RS,TI), 446*
Turbo Mouse 4.0 *(TI), 447*
Turbo Trackball *(TI), 447*
WinMini Keyboard (2447F, 2447Q) *(TI), 450*

Non-Electronic Communication Aids {NA}

Communication aids which do not involve electricity, as well as materials used in developing non-electronic communication systems. This includes communication boards, eye-gaze boards, pre-printed communication symbols, etc. You can look up non-electronic aids by the symbol system they use in Index 2, under Input Symbol System.

AccessBliss 2.2, *69*
Alphabet Board Kit *(CI), 69*
AlphaPad *(CI), 70*
Appointment Book *(CI), 70*
Attainment Communication Collection *(CI), 71*
Blissymbol Templates, *71*
Blissymbol Vocabulary Stamps *(CI), 72*
Blissymbols Gallery, *72*
Boardmaker 3.0, *73*
Boardmaker for Windows, *73*
Bradley Board Communication Aid *(CI), 74*
Calendars *(CI), 74*
Chain Talk *(CI), 75*
Cleo Communication Board *(CI), 75*
Communication Binder *(CI), 76*
Communication Board *(CI), 76*
Communication Board Builder, *77*
Communication Displays for Engineered Preschool Env., *77*
Communication Folder and Tri-Folder *(CI), 78*
Communication Icon Galleries CD-ROM *(SS), 78*
Communication Sheets *(CI), 79*
Communication Symbol Holders *(CI), 79*
Core Picture Vocabulary *(CI,TR), 80*
Core Vocabulary *(CI), 80*
Deluxe Communication Board Kit *(CI), 81*

Deluxe Talk Board *(CI), 81*
DynaSyms *(CI), 82*
Emotional Moods & Needs-G 3&4 *(CI), 82*
Eye Transfer Communication System *(CI), 83*
Eye-Com *(CI), 83*
Eye-Com Board *(CI), 84*
Fold It System *(CI), 84*
Foods I Like Menu Book *(CI), 85*
Help Me at Home & School-G 5&6, *85*
Help Me to Help Myself Handbook *(CI), 86*
High Tech/Low Cost *(CM,EC,PT,TR), 223*
Holiday Kit *(CI), 86*
ICU-G 1&2 *(CI), 87*
Illustrated Menu *(CI), 87*
Imaginart Gallery, *88*
Individualized Communication Systems *(CI), 88*
Life Experiences Communication Kit *(CI), 89*
Long Wallet *(CI), 89*
Mealtime Stickers *(CI), 90*
Mega-Book *(CI), 90*
Mid-Sized Communication Book *(CI), 91*
Mini Picture Set *(CI), 91*
Nu-Vue-Cue *(CI), 92*
Oakland Schools Picture Dictionary *(CI), 92*
Object Communicator *(CI), 93*
Object Display *(CI), 93*
Object Stand or Calendar Box (3 or 5) *(CI,TR), 94*
Object-Picture Talk Board *(CI,TR), 94*
Opticommunicator *(CI), 95*
Passport Kits *(CI), 95*
PCS Color Stickers *(CI), 96*
PCS Stamps *(CI), 96*
PCS Wordless Edition, *97*
PEACEbook *(CI), 97*
Pick 'n Stick Color Micros *(CI), 98*
Pick 'N Stick Color Packs, *98*
Pick 'N Stick Fast Food, *99*
Pick 'n Stick on Disk, *99*
Pick 'n Stick Primary Pack, *100*
PICSYMS Categorical Dictionary *(CI), 100*
Picture Communication Symbols - Combination Book, *101*
Picture Communication Symbols, Books I, II & III *(CI), 101*
Picture Cue Dictionary *(AD,CI,LT,TT), 654*
Picture Prompt Cards *(CI), 102*
Picture Prompt Stickers *(CI), 102*
Picture Prompt System *(CI), 103*
Picture Your Blissymbols *(CI), 103*
Pictures, Please! *(CI), 104*
Pocket Book *(CI), 104*
Pocket Picture Holder, *105*
Pocket-Sized and Double Pocket-Sized Communication Book *(CI), 105*
Porta Boards *(CI), 106*
Porta Book *(CI), 106*
Select-A-Meal and Shopping Smart, *107*
Self-Talk Stickers *(CI), 107*
Silent Speaker *(CI), 108*
Specialist *(CI,EA,TR), 153*
Stickers for Talk Boards *(CI), 108*
Talking Pictures Communication Board *(CI), 109*
Talking Pictures, Kits I - VII *(CI,SI), 109*
Touch 'N Talk Communication Board *(CI), 110*
Touch 'N Talk Communication Notebook *(CI), 110*
Touch 'N Talk Communication Stickers *(CI), 111*
Touch 'N Talk Micros *(CI), 111*
WordWise Language & Master Cards *(CI), 112*
WordWise Sticker Set *(CI), 112*
Writing Utensil Grips *(CI,PT), 113*
Zoo Kit *(CI), 113*

Personal Tools or Aids (for Speaking, Writing, Drawing, Controlling, etc.) {PA}

Software programs that are designed to be used on a long term basis by an individual as a personal tool or prosthetic aid. This includes programs which facilitate an individual's ability to communicate, write, draw, control, and move about. It does not include programs whose only function is to provide access to other software; these would be classified under Alternate Inputs Usable with All Software (TI). Some examples of personal tools are: word processing programs with large print, software for enviromental control, and software for communication or conversing by synthesized speech.

APH Scientific Calculator: for Apple II Computers *(CN,SV), 737*
Atlas Speaks, *737*
Audible Cursor Routine *(CI,EA,TR), 121*
Auto Braille *(BR), 738*
B-Edit *(LP,TA,WP), 738*
BEX 3.1 *(BR,LP,SV,WP), 739*
BIG for 1-2-3 *(DS,LP), 739*
BIG for WordPerfect *(LP), 740*
Big:Calc *(CN,LP), 740*
Biggy *(LP), 741*
BlissWrite *(TT,WP), 741*
Braille 'n Speak Classic *(BR,CN,SV,VS,WP), 469*
Braille-Talk *(BR,SV), 742*
Braille-Term Program *(TL), 742*
Calc-Talk *(CN,LP,SV), 743*
Calcworthy *(CN,SV), 743*
Checkbook Program *(BR,CN,SV), 744*
CINTEX I *(EC,PC,RE,TA,TI,WP), 744*
CINTEX2 *(EC,PC), 271*
Co:Writer *(TA), 745*
David *(BR,BT,PW,SS,SV,VS), 471*
Duxbury Braille Board for Microsoft Windows *(BR), 745*
Duxbury Braille Font, *746*
Duxbury Braille Translator (DBT) *(BR), 746*
Duxbury Braille Translator for WordPerfect (DUXWP) *(BR), 747*
Easy-Braille Translator *(BR), 747*
Edgar *(BR), 748*
Electric Crayon and Electric Crayon Deluxe *(DR,RE), 748*
ETgraphX *(BR,DR), 749*
ExerciseBreak *(RS), 749*
Eye Relief *(LP,WP), 750*
File-Talk *(DS,SV), 750*
Finish Line *(TA), 751*
FormMate, *751*
Freedom Writer *(WP), 752*
Governor (2464) *(GA), 547*
H:1 Handicapped Word Games *(ED,GA,LS,RE), 752*
HomeAccess *(EC), 283*
I Can Play, Too! *(RE,TR), 753*
IBM-VBII *(BR), 753*
IntelliTalk *(CI,EA), 137*
Keysoft *(CN,SV,WP), 754*
Keyterm *(SV,TL), 754*
Language Master Special Edition - LM6000SE *(LP,LS,SV,TT,VS), 477*
Large Print Word Processors *(LP,WP), 755*
Letter Art with Braille Translator, *755*
Lingraphica *(CI,CR,EA), 139*
Mac-Apple Communications Aid *(CI,CN,DR,ES,TT,WP), 756*
Magic Slate II *(LP,LS,TT,WP), 756*
Me Too!, *757*
MegaDots *(BR,LP), 757*
MicroBraille 2 *(BR,WP), 758*
MicroIllustrator *(DR,RE,TT), 758*
Minspeak Application Programs (MAP) *(CI), 759*
Motor Training Games *(AS,GA,RE,TT), 638*
Multi-Line Dial-A-News System *(TD,TL), 759*
NAMES *(BR), 760*
Noteworthy *(WP), 760*
PC Braille *(BR), 761*
Phone Manager *(EC,PC), 288*
Picture Braille *(BR), 761*

Picture Perfect *(DR,RE), 762*
PowerPad Toolkit 4, *762*
Predict It *(TA,WP), 763*
RAPIDTEXT, *763*
SeeBEEP, *764*
SenSei System *(EC,PC,TI,TL), 295*
Strider, *764*
Synergy Integrated Remote *(EC), 298*
Talking Data Acquisition System Software, *765*
Talking Screen *(CI,EA), 156*
Talking Screen for Windows *(CI,EA), 157*
Talking Sensible Speller *(SV), 765*
Talking Utilities for DOS 3.3 *(SV), 766*
Talking Writer & Four Games *(KB,LP,SV,TT,WP), 766*
TEAM *(EC), 299*
TeleDesk Visually Impaired Operator Console *(PC,SV,TL), 767*
Telepathic II *(TA), 767*
Term-Talk *(SV), 768*
TextGrabber, *768*
Trace Math Aid *(CN,ED), 769*
TurboBraille *(BR), 769*
TypeIt4Me *(TA), 770*
VersaBraille Electric Webster, *770*
VisAbility *(LP), 771*
WinDOTS *(BR), 771*
Wish Writer *(WP), 772*
WiVox *(WP), 772*
Word-Talk *(SV,WP), 773*
Work-Station Pro, *773*
Write:OutLoud *(WP), 774*
WriteAway *(TA,WP), 774*

Phone Control/Access {PC}

Products which provide control over the answering or dialing functions of a telephone, or products specifically designed to be used with a telephone. This does not include voice output communication aids or software that could be used to converse on the phone.

AbiliTech Communicator *(CI,EC), 264*
AbiliTech Home Control System *(EC), 265*
Ability Switch Phone Sequencer *(CI,EC), 265*
Able-Phone 100WA *(EC), 266*
Able-Phone 1900 and 2000 *(EC), 266*
Able-Phone 6000SX *(EC), 267*
ACS Headsets *(EC), 267*
ADAPTA-LAN *(CI,LP,TI,WP), 374*
Adapted Telephone Interfaces *(EC), 268*
Auto Call Single Number Dialer *(CM), 312*
Butler-in-a-Box *(EC,TI), 270*
Call Alert Model CA-100 *(CM), 313*
CallText 5000 *(SS), 527*
CINTEX I *(EC,PA,RE,TA,TI,WP), 744*
CINTEX2 *(EC,PA), 271*
Comtel, *544*
Control 1 *(EC), 272*
Custom Speaker Phone *(EC), 273*
DEUCE *(EC), 273*
Dialogue TTYs *(CI,TD,TL), 180*
Dual Channel Headset, *546*
E.A.S.I.dialer (2110) *(EC), 274*
Expanded Keyboard for Automatic Telephone *(EC), 276*
Eye Slaved Pointing System *(EC,TI), 387*
Eyegaze Computer System *(EA,EC,TI), 132*
EZRA *(CI,CM,EC), 277*
F71863 Touchables Touch Phone Attachments *(EC), 277*
First Aide Kit *(CM,EC), 278*
Fone Holder *(EC), 278*
GEWA Infra-Link Speaker-Telephone *(CI,EC), 279*
GEWA Infra-Link System *(EC), 280*
Giant Push Button Telephone Adapter *(EC), 281*
HAL (Home Automation Link) *(EC,TI), 392*
HandiPHONE *(CI,EC), 281*
Handset for Speech Amplification *(SA,VA), 6*
HECS-1 *(EC), 282*
InfoTouch *(BR,BT,CI,TD,TL), 182*
LIAISON *(EC,KE,TI), 407*
Lite Touch Telephone Communicator *(BR,TD,TL), 183*
Mastervoice Environmental Control Single User Unit *(EC), 285*
Memory Button Telephones *(EC), 285*
MIC300i Computer Modem *(TD,TL), 184*
Miniprint 425 *(CI,TD,TL), 185*
MultiPhone *(CI,EC), 287*
Pay Phone TTY *(CI,TD,TL), 186*
Phone Manager *(EC,PA), 288*
Phone-TTY CM-4 Computer Modem *(CI,TD,TL), 187*
PhoneAccess *(EC), 289*
Polycom *(CI,EA,PW,TL,WP), 146*
Portable Telephones *(EC), 289*
PROXi *(EC), 290*
Remote Control Speakerphone Model RC3000 *(EC), 292*
Sapura S2000 CL *(EC), 293*
SenSei System *(EC,PA,TI,TL), 295*
Simplicity Series ECUs *(EC), 295*
SM85 Smart ASCII/Baudot Modem *(CI,TD,TL), 189*
Speaker Phones *(EC), 298*
Superprint 100, 200, 400 *(CI,TD,TL), 190*
Superprint 4425 *(CI,TD,TL), 191*
Superprint ES TTY *(CI,TD,TL), 191*
T-140 Series Puff/Sip Speakerphones *(EC), 299*
TDD 2700, 2730, and 2830 *(CI,TD,TL), 192*
TeleBraille III *(CI,TD,TL), 193*
TeleDesk Visually Impaired Operator Console *(PA,SV,TL), 767*
Telephone Holder & Line Connector *(EC), 300*
Telephone Management System *(EC), 300*
UltraSilent *(TD), 194*
Universal Control System with Tongue Touch Keypad *(EC), 303*
Universal Telephone Adapter *(EC), 304*
VX-5000 Cordless Phone *(CI,EC), 305*

Pointing and Typing Aids {PT}

Devices whose purpose is to facilitate an individual's ability to point to objects or press keys. Headsticks, mouthsticks, and lightbeam pointers are all included in this category. There are other devices useful for pointing and typing which have not been included in this book, however, such as hand splints or typing sticks.

Adjustable Head Pointer, *15*
Adjustable Head Pointer, *15*
Adjustable Head Pointer PC 7590, *16*
Baton Laser Pointer, *16*
Clear-View Head Pointer, *17*
F73216-100 Page Turner/Keyboard Aid *(BP), 17*
Gripper Prehensor, *18*
H71830 Adjustable Head Pointer, *18*
H73217 Mouth Held Page Turners *(BP), 19*
Handpointers, *19*
Head Pointers: AD-1, AD-2, AD-3, *20*
Heyer-Abadie Modular Mouthstick, *20*
High Tech/Low Cost *(CM,EC,NA,TR), 223*
Laser Light Pointer, *21*
Light Beam Indicator, *21*
Light Pointer, *22*
Light Pointer, *22*
Light Pointers, *23*
LightBeam, *23*
Media Handling Products *(BP,EC), 549*
Mouthsticks *(BP), 24*
RedLite, *24*
Slip-On Typing Aid, *25*
Talking Laser Beam, *25*
Vacuum Wand *(BP), 26*
Viewpoint Optical Indicator, *26*
Writing Utensil Grips *(CI,NA), 113*

Portable Writing {PW}

Portable aids which have a printer or can be connected to one. This includes portable communication aids, as well as portable electronic "notebooks" with braille, voice, or large print output.

Abovo PCD *(CI,EA), 118*
Access-I *(CI,TI), 373*
AlphaSmart Pro *(TI), 375*
Artic TransBook *(VS), 467*
Artic TransType *(SV,VS), 467*
Braille 'n Speak *(BR,SS,SV,TI,VS), 469*
Braille Lite *(BR,BT,CN,SV,VS), 470*
BrailleMate 2 *(BR,VS), 470*
David *(BR,BT,PA,SS,SV,VS), 471*
Dvorak One-Hand Typewriter *(CI,EA), 128*
Equalizer *(CI,DR,EA,RE,TI,WP), 131*
EvalPAC with RealVoice *(AS,CI,EA,EC,TI), 131*
Liberator *(CI,CN,EA,EC,TI), 137*
Magnum *(BR,TI,VS), 477*
Minicom IV *(CI,TD,TL), 184*
Mountbatten Brailler *(BR,BT), 516*
Myna *(BR,SV,VS), 478*
Polycom *(CI,EA,PC,TL,WP), 146*
RealVoice *(AS,CI,EA,EC,TI), 147*
Say-It-All II Plus *(CI,EA,KG), 148*
ScanPAC *(CI,CN,EA,EC,TI), 150*
Scribe *(CI,EA,KG), 150*
Secretary *(CI,EA,TR), 151*
SynergyMac and SynergyPC *(CI,TI), 444*
Type 'n Speak *(SV,VS), 487*

Recreation {RE}

Software whose function is to provide recreation. If a program has a game format, but the primary function is education and training, it will also be listed under Adaptive Educational Software (ED) and Training and Therapy Software (TT).

Audio Braille Game Tutorial *(BR,GA,TT), 560*
Blocks in Motion *(DR,TT), 563*
Card Communicator *(CI,TR), 34*
CINTEX I *(EC,PA,PC,TA,TI,WP), 744*
Creature Magic *(GA,LS,LT,TT), 586*
Electric Crayon and Electric Crayon Deluxe *(DR,PA), 748*
Equalizer *(CI,DR,EA,PW,TI,WP), 131*
Every Day Is A Holiday *(GA,TT), 595*
H:1 Handicapped Word Games *(ED,GA,LS,PA), 752*
H:2 Handicapped Arithmetic Flash Cards *(CN,ED,LS), 721*
Human Being Machine *(TT), 610*
I Can Play, Too! *(PA,TR), 753*
Maze *(GA,TT), 631*
MicroIllustrator *(DR,PA,TT), 758*
Motor Training Games *(AS,GA,PA,TT), 638*
Mouth Operated Joystick for Genesis Video Game *(GA,TI), 422*
Nintendo & Super Nintendo Joystick Module *(TI), 425*
One Switch Picasso *(DR,TT), 648*
Picture Perfect *(DR,PA), 762*
PowerPad *(DR,TI), 432*
Race the Clock *(GA,TT), 662*
Scanning Picasso *(DR,TT), 668*
Slide Projector Control *(EC,TR), 55*
Switch Arcade *(GA,TT), 682*
Switch Puzzles *(TR,TT), 684*
SwitchEnsemble *(TR,TT), 685*
TouchWindow *(DR,DS,ID,TI,WP), 444*

Repetitive Strain Injury (RSI) Prevention {RS}

Products designed to prevent or control RSIs such as carpal tunnel syndrome, in connection with computer input devices. Categorization is based on manufacturer's claims, not independent testing.

Apple Adjustable Keyboard *(TI), 376*
ASER Ergonomic Keyboard Layout *(KM), 333*
CarpalRest *(KM), 335*
Comfortype *(KM), 336*
DataArm *(KM), 337*
ErgoLogic Model 7.1 Keyboard *(TI), 384*
Ergonomic Keyboard Systems *(TI), 384*
Ergorest Articulated Forearm Rests *(KM), 340*
ExerciseBreak *(PA), 749*
FlexPro *(TI), 390*
IN-CUBE Voice Command for Windows, NT *(TI), 397*
Kinesis Ergonomic Keyboard *(TI), 405*
LAP CAT *(KM), 353*
Microsoft Natural Keyboard *(TI), 414*
MiniErgo-MF2 *(KM,TI), 417*
MOUSE PERCH *(KM), 355*
MyKey *(MT,TI), 424*
Select-Ease Keyboard *(TI), 439*
Trak101 Keyboard *(MT,TI), 446*
Vertical *(TI), 448*
Voice User *(TI), 449*
WRIST PERCH *(KM), 368*

Screen (Display) to Voice {SV}

Software or hardware which will read the contents of the computer screen through a voice synthesizer, so that the software can be operated by a user who cannot see the computer screen. This includes "screen access" hardware or software, which provides voice output of screen information for any standard software the user is running. It also includes individual application programs that provide sufficient voice output to be used by a visually impaired person.

APH Presents the Talking Apple Computer *(TT), 558*
APH Scientific Calculator: for Apple II Computers *(CN,PA), 737*
APH/SEI Talking Software *(ED,LS), 713*
AppleWorks Manuals: Special Editions, *542*
Arithmetic 1, 2, and 3 with Speech *(CN,ED,LS), 714*
Artic TransPort *(SS), 526*
Artic TransType *(PW,VS), 467*
ASAP (Automatic Speech Access Program) *(VS), 468*
BEX 3.1 *(BR,LP,PA,WP), 739*
Braille 'n Speak *(BR,PW,SS,TI,VS), 469*
Braille 'n Speak Classic *(BR,CN,PA,VS,WP), 469*
Braille Lite *(BR,BT,CN,PW,VS), 470*
Braille-Talk *(BR,PA), 742*
Business Vision *(VS), 471*
Calc-Talk *(CN,LP,PA), 743*
Calcworthy *(CN,PA), 743*
Checkbook Program *(BR,CN,PA), 744*
David *(BR,BT,PA,PW,SS,VS), 471*
Elementary Volume 1 - Mathematics *(CN,ED,LS), 718*
File-Talk *(DS,PA), 750*
Focus on Facts *(ED), 719*
Focus on Nations *(ED), 720*
Food Facts *(AD,TT), 603*
Gizmo *(LP,VS), 473*
HandiCHAT and HandiCHAT Deluxe *(VS), 473*
HandiCODE and HandiCODE Deluxe *(TI), 393*
IBM Screen Reader/2 *(VS), 474*
IBM Screen Reader/DOS *(VS), 474*
Infovox 210 *(VS), 475*
IRIS Reading Interface 3.0 *(TI), 399*
JAWS for Windows *(VS), 475*
JAWS Screenreader *(VS), 476*
Keynote Companion *(CN,TL,VS,WP), 476*
Keys to Success: Comp. Keybd. Skills for Blind Children *(KB,TT), 619*

Keysoft *(CN,PA,WP), 754*
Keyterm *(PA,TL), 754*
Language Master Special Edition - LM6000SE *(LP,LS,PA,TT,VS), 477*
Letter Find *(CN,ES,KB,TT), 625*
LetterTALK+ *(TT,WP), 625*
MasterTOUCH *(BT), 515*
Messenger-IC *(SS), 533*
Myna *(BR,PW,VS), 478*
NOMAD Talking Touch Pad & NOMAD Gold *(BT), 516*
outSPOKEN 1.7 *(VS), 479*
outSPOKEN for Windows *(VS), 480*
PCMaster & Windows Master *(BR,IA,VS), 460*
Prefixes *(ED,LS), 723*
Protalk23 for Windows *(VS), 480*
PROVOX *(VS), 481*
ScreenPower *(VS), 482*
ScreenPower for Windows *(VS), 483*
Seekline *(VS), 483*
Sensible Speller: Talking APH Edition *(ED,LS), 725*
Sight Word Spelling *(ED,LS), 726*
Slimware *(VS), 484*
Slimware Window Bridge *(VS), 484*
SoundProof *(VS), 485*
Speak Out VOILA *(LP,MG,TI,VS), 440*
Speaking Speller *(ED,LS), 727*
Speaqualizer Speech Access System *(VS), 485*
Spell-Talk *(ED,LS), 728*
Talking Public Domain Disks *(ED,LS,TT,VO), 730*
Talking Riddles *(ED,LS), 731*
Talking Sensible Speller *(PA), 765*
Talking Typer *(KB,TT), 687*
Talking Utilities for DOS 3.3 *(PA), 766*
Talking Writer & Four Games *(KB,LP,PA,TT,WP), 766*
TeleDesk Visually Impaired Operator Console *(PA,PC,TL), 767*
Term-Talk *(PA), 768*
TEXTALKER *(BT), 521*
Tinytalk *(VS), 486*
Type 'n Speak *(PW,VS), 487*
Vocal-Eyes *(VS), 487*
Win Vision *(VS), 488*
Window-Eyes *(VS), 488*
WINKLiNE *(VS), 489*
Word-Talk *(PA,WP), 773*
WordScholar *(VS), 489*
Write *(CI,ED,LS), 733*

Signing {SI}

Products that employ sign language for people who are deaf (fingerspelling, ASL, etc.).

CAV-ASL *(TT), 571*
Elementary Signer *(TT), 593*
Fingerspeller *(TT), 598*
Fingerspelling & Numbers *(TT), 598*
FingerZoids *(GA,TT), 599*
Subtle Messages *(TT), 680*
Talking Hands *(TT), 685*
Talking Pictures, Kits I - VII *(CI,NA), 109*
This Old Man *(CN,TT), 691*

Speech Aids {SA}

Devices that make oral speech possible for a person for whom oral speech would otherwise be difficult, impossible, or hard to understand. These should not be confused with communication aids, which supplement or replace oral speech with some other mode of communication, such as pointing to pictures or typing on a portable computer.

ADDvox III System *(CI,VA), 3*
Amplifiers *(VA), 3*
Cooper-Rand Electronic Speech Aid *(AL), 4*
Denrick Speech Aid *(AL), 4*
Electronic Artificial Larynx *(AL), 5*
Electronic Speech Clarifiers, *5*
Handset for Speech Amplification *(PC,VA), 6*
Mini Vox Amplifier, *6*
Nu-Vois *(AL), 7*
Park Speech Amplifier *(VA), 7*
Passy-Muir Speaking Valves, *8*
Rand Voice Amplifier *(VA), 8*
Robot Voice Synthesizer *(CI), 9*
SERVOX Inton *(AL), 9*
Speech Enhancer 100, 200 & 400, *10*
Speechmaker *(VA), 10*
Tokyo Artificial Larynx *(AL), 11*
Voice Amplificaider *(CI,VA), 11*
Voicette *(VA), 12*

Speech Synthesizers {SS}

Hardware or software products that generate synthetic human speech. Together with a "text-to-speech" program (frequently provided with the synthesizer), these devices can produce phonetically correct speech from electronic text. These synthesizers are components designed to be used by other application programs. You can locate products (including software) that have speech output by looking in Index 2, under Output/Display: Speech.

Accent-MC, *525*
Accent-PC, *525*
Accent-SA, *526*
Artic TransPort *(SV), 526*
Audapter Speech System, *527*
Braille 'n Speak *(BR,PW,SV,TI,VS), 469*
CallText 5000 *(PC), 527*
Communication Icon Galleries CD-ROM *(NA), 78*
DAC *(CI,EA), 126*
David *(BR,BT,PA,PW,SV,VS), 471*
DECtalk, *528*
DECtalk PC & DECtalk Express, *528*
DJ ProPack Speech Module, *529*
Echo II, *529*
Echo II with Textalker & Echo II with Textalker-GS *(VS), 472*
Echo LC, *530*
Echo PCII, *530*
Echo-PC, *531*
Handy Speech Communication Aide *(CI,EA), 134*
Infovox 500, 700 & 750, *531*
IntroVoice VI *(TI), 399*
Keynote GOLD, *532*
Lite Talk, *532*
Messenger-IC *(SV), 533*
Micro IntroVoice *(TI), 413*
Micro IntroVoice II *(TI), 414*
Mini Transport II, *533*
MultiVoice, *534*
SmarTalk, *534*
Sounding Board, *535*
Speak-Out, *535*
SynPhonix 210 and 215 *(IA), 536*
SynPhonix 310 and 315, *536*
SynPhonix P27, *537*
VocaLite, *537*
VoiceBachs *(CI,EA), 159*
VoiceCard, *538*

Speech Therapy (not Language Therapy) {ST}

Products designed to facilitate the development of oral speech skills. This does not include language skill development, which has its own code (Language Therapy, LT).

Breakthrough to Language: Clinical Edition *(LT,TT), 565*
Breakthrough to Language: Home Edition *(LT,TT), 566*
Cafet-for-Voice *(TT), 567*
Laryngograph *(AS,TT), 620*
Minimal Contrast Stories Plus for Windows *(TT), 635*
Minimal Contrast Therapy *(TT), 636*
Nasometer Model 6200-3 *(AS,TT), 643*
Rate Drill in Articulation, Language and Fluency *(LT,TT), 663*
Sound Scope *(TT), 677*
SpeechViewer II *(TT), 678*
TalkTime with Tucker *(TT), 688*
Video Voice Speech Training System *(TT), 699*
Visi-Pitch Model 3300 *(TT), 700*
Voice Switch, *258*

Telecommunication {TL}

Products designed to facilitate nonspeech communication over telephone lines. For speech communication, see Phone Control (PC) and Conversation/Interaction (CI).

911 Telephone Terminal *(CI,EC), 263*
ASCII-TDD Software *(CI,TD), 179*
Braille-Term Program *(PA), 742*
Companion 401 Communicator *(CI,CM,EA,TR), 125*
Crespeaker *(CI,EA), 125*
Dialogue TTYs *(CI,PC,TD), 180*
Dialogue VCO Read & Talk Telephone *(CI,TD), 181*
Futura-TTY *(CI,TD), 181*
InfoTouch *(BR,BT,CI,PC,TD), 182*
Intele-Modem *(CI,TD), 182*
Keynote Companion *(CN,SV,VS,WP), 476*
Keyterm *(PA,SV), 754*
Lite Touch Telephone Communicator *(BR,PC,TD), 183*
Message Center *(CI,TD), 183*
MIC300i Computer Modem *(PC,TD), 184*
Minicom IV *(CI,PW,TD), 184*
Miniprint 425 *(CI,PC,TD), 185*
Multi-Line Dial-A-News System *(PA,TD), 759*
Pay Phone TTY *(CI,PC,TD), 186*
Personal Communication Terminal (PCT) *(CI,TD), 186*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD), 187*
Polycom *(CI,EA,PC,PW,WP), 146*
Porta Printer Plus *(CI,TD), 187*
PortaView *(CI,TD), 188*
Positron Express *(CI,TD), 188*
SenSei System *(EC,PA,PC,TI), 295*
SIDD (Software Interface for the Deaf and Disabled) *(CI,TD), 189*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD), 189*
Supercom 4400 TTY *(CI,TD), 190*
Superprint 100, 200, 400 *(CI,PC,TD), 190*
Superprint 4425 *(CI,PC,TD), 191*
Superprint ES TTY *(CI,PC,TD), 191*
TDD 2700, 2730, and 2830 *(CI,PC,TD), 192*
TeleBraille III *(CI,PC,TD), 193*
TeleDesk Visually Impaired Operator Console *(PA,PC,SV), 767*
ToneTalker *(CI,TD), 194*
Uniphone TDD/TT *(CI,TD), 195*
VCS 3500 with TDD Software *(CI,TD), 196*
WinTalk *(CI,TD), 196*
Writalk Electronic Pen Pad *(CI,TD), 197*

Telecommunication Devices for the Deaf (TDD's) {TD}

Devices which have been specifically designed for deaf individuals to communicate over telephone lines. It includes systems which use ASCII code (a standard computer code), Baudot code (the traditional TDD code), touch tones or voice to transfer information. Telewriters are also included.

ASCII-TDD Software *(CI,TL), 179*
Atlantic 144 TTY, *179*
Compact TTY, *180*
Dialogue TTYs *(CI,PC,TL), 180*
Dialogue VCO Read & Talk Telephone *(CI,TL), 181*
Futura-TTY *(CI,TL), 181*
Heidico Intertalk *(CI,EA), 135*
InfoTouch *(BR,BT,CI,PC,TL), 182*
Intele-Modem *(CI,TL), 182*
Lite Touch Telephone Communicator *(BR,PC,TL), 183*
Message Center *(CI,TL), 183*
MIC300i Computer Modem *(PC,TL), 184*
Minicom IV *(CI,PW,TL), 184*
Miniprint 425 *(CI,PC,TL), 185*
Multi-Line Dial-A-News System *(PA,TL), 759*
NexCom 300vi & 300ve, *185*
Pay Phone TTY *(CI,PC,TL), 186*
Personal Communication Terminal (PCT) *(CI,TL), 186*
Phone-TTY CM-4 Computer Modem *(CI,PC,TL), 187*
Porta Printer Plus *(CI,TL), 187*
PortaView *(CI,TL), 188*
Positron Express *(CI,TL), 188*
SIDD (Software Interface for the Deaf and Disabled) *(CI,TL), 189*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TL), 189*
Supercom 4400 TTY *(CI,TL), 190*
Superprint 100, 200, 400 *(CI,PC,TL), 190*
Superprint 4425 *(CI,PC,TL), 191*
Superprint ES TTY *(CI,PC,TL), 191*
TDD 2700, 2730, and 2830 *(CI,PC,TL), 192*
TDD Detector, *192*
TDD Trainer System *(CI,TR), 58*
TeleBraille III *(CI,PC,TL), 193*
TeleView 40 & 80, *193*
ToneTalker *(CI,TL), 194*
UltraSilent *(PC), 194*
Uniphone 1000, *195*
Uniphone TDD/TT *(CI,TL), 195*
VCS 3500 with TDD Software *(CI,TL), 196*
WinTalk *(CI,TL), 196*
Writalk Electronic Pen Pad *(CI,TL), 197*

Training and Communication Initiation Aids {TR}

Electric and electronic devices which can be used to initiate communication or train individuals in the use of switches, selection techniques, and other augmentative communication skills. This code also covers software that performs these same functions. Electronic communication aids with less than 32 selections are included in this category because of their limited maximum vocabulary. Rotary scanners and linear scanners are also included.

101 Animations *(TT), 556*
Ability Switch Tester (5955) *(AS), 29*
AC Adaptor FRE-103C, *29*
Accularm *(CM), 311*
ActionVoice *(CI,EA), 118*
Activity Board *(AS,EC), 30*
Activity Boxes, *30*
Adult Switch Progressions *(TT), 556*
AND Module, *31*
And Or Box *(AS), 31*
Attainment Fifteen Talker *(CI,EA), 119*
Attainment Five Talker & Talker Plus *(CI,EA), 120*

Attainment Two Talker *(CI,EA), 120*
Audible Cursor Routine *(CI,EA,PA), 121*
Battery Adapter *(AS), 32*
Battery Device Adapter *(AS), 32*
Battery Interrupter *(AS), 33*
Battery Interrupters, *33*
Beeper *(AS,CM), 313*
BIGmack *(CI,EA), 122*
Buzzer Box *(CM), 34*
Call Bell (4500) *(AS,CM), 314*
Call Signal 2 *(AS,CM), 314*
Card Communicator *(CI,RE), 34*
Cause & Effect *(TT), 570*
Cheap Talk 4 & 8 *(CI,EA), 124*
Chime Alarm *(AS,CM), 315*
Chime Box, *35*
Clear Clock Communicator *(CI), 35*
Clock Communicator *(AS,CI), 36*
Comboard (2615) *(AS,CI), 36*
Communication Programs *(CI,EA,EC), 124*
Communication Training Program *(TT), 579*
Communiclock *(AS,CI), 37*
Communilight 24 *(EA), 37*
Companion 401 Communicator *(CI,CM,EA,TL), 125*
Compartmentalized Clock Communicator *(CI), 38*
Compartmentalized Communicator *(AS,CI), 38*
Computer Keyboard Switch, *210*
Computer Switch Plate, *210*
Core Picture Vocabulary *(CI,NA), 80*
Counter Box *(AS), 39*
Counter Module *(AS), 39*
Creature Antics and Creature Capers *(GA,TT), 584*
Creature Chorus *(TT), 585*
Creature Features *(TT), 585*
Delay Timer Box *(AS,EC), 40*
Dial Scan *(AS,CI), 40*
DigiTalk 1 *(CI,EA,TT), 127*
Dino-Games *(ES,TT), 588*
Dinosaur Game *(ES,GA,TT), 589*
Dual Action Latch, *41*
Dual Channel Latching Switch Interface *(AS,EC), 41*
Dual Clock Communicator *(CI), 42*
Duo-Responder *(CI), 42*
E-Tran Scanner *(AS,CI), 43*
Emergency Call Alarm *(AS,CM), 317*
Environmental Control for Kids, *43*
Finger Isolation Button, *218*
Hawk *(CI,EA), 134*
High Tech/Low Cost *(CM,EC,NA,PT), 223*
I Can Play, Too! *(PA,RE), 753*
Intention Module, *44*
Interaction Games *(ES,GA,TT), 613*
Interaction Games II *(ES,GA,TT), 614*
Invertor Module *(AS), 44*
Joystick Trainer *(TT), 616*
Keypad (2425) *(AS), 45*
Latch Box, *45*
Learn to Scan *(AS,TT), 620*
Light Activated Switch Panel *(CI), 46*
Lighted Extra Loud Signalling Buzzer *(AS,CM), 319*
Lighted Signalling Buzzer *(AS,CM), 319*
Lighted Vibrating Signalling Buzzer *(AS), 46*
LinkSwitch, *47*
Lynx *(CI,EA), 140*
MessageMate 20 *(CI,EA), 141*
MessageMate 40 *(CI,EA), 142*
Messenger *(CI,EA), 142*
Mini Talking Card Reader *(CI,EA), 143*
Mini-MessageMate *(CI,EA), 144*
Motor Training Games *(GA,TT), 638*
Multi-SCAN *(GA,TT), 639*
Multi-Switch Module *(AS), 47*
Music Button, *48*
New Frog & Fly *(TT), 644*
Nine Compartment Row/Column Scanner *(CI), 48*
Nine Volt Battery Adapter Module, *49*
Object Stand or Calendar Box (3 or 5) *(CI,NA), 94*
Object-Picture Talk Board *(CI,NA), 94*
On/Off Module, *49*
Parrot *(CI,EA), 144*
Peg Switch, *50*
Personal Trainer *(CI,EA), 145*
Pictalk *(CI,ES,TT), 653*
Picture Scanner *(TT), 655*
Picture/Theme Disks *(TT), 656*
PigTail Adapters, *50*
Point to Pictures *(TT), 657*
Portable Sound Source II, *51*
PowerTalker *(TT), 658*
Press to Play *(ES,TT), 660*
Puzzle Switches, *51*
Quad Talk *(AS,CI), 52*
Rhythm Generator *(AS), 52*
Rockets to the Moon *(ES,GA,TT), 666*
Round Clock Communicator *(CI), 53*
Say-It-Simply Plus *(CI,EA), 148*
Scan & Match 1, 2, 3, and 4 *(TT), 667*
Scan It - Switch It *(TT), 668*
ScanLite *(CI), 53*
Secretary *(CI,EA,PW), 151*
Sequential Scanner *(AS,CI), 54*
Series Adapter *(AS), 54*
Shadow Talker *(CI,EA), 151*
Signal Buzzer *(AS,CM), 325*
SimpleCom I: Yes/No Communication *(CI,TT), 674*
SimpleCom II: Needs/Wants Communication *(CI,TT), 674*
Single-Appliance Continuous Control Unit *(EC), 296*
Six Position Activity Box, *55*
Slide Projector Control *(EC,RE), 55*
Specialist *(CI,EA,NA), 153*
Steeper Communication/Teaching Aid *(AS,CI), 56*
Storytime Series *(AD,LP,TT), 679*
Storytime Series for Macintosh *(AD,LP,TT), 679*
Switch Latch (4388) *(AS,EC), 56*
Switch Latch and Timer, *57*
Switch Latch/Timer *(AS), 57*
Switch Module *(CI,EA), 153*
Switch Puzzles *(RE,TT), 684*
SwitchEnsemble *(RE,TT), 685*
Talk Back III *(CI,EA), 155*
Talk Back VI *(CI,EA), 155*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TT), 686*
Talking Switch Plates *(CI,EA), 157*
Talking Touch Window *(AS,CI,TT), 687*
TDD Trainer System *(CI,TD), 58*
This is the Way We Wash Our Face *(ES,TT), 691*
Three Position Activity Box, *58*
Timer Module *(AS,EC), 59*
Toy Adapter *(AS), 59*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS), 60*
Toy Cables (4378, 4379) *(AS), 60*
Trace Beeper Box, *61*
Training Aid 2 *(AS,EC), 61*
Tri-Responder *(AS), 62*
Tubular Vibrator, *62*
Turn-Talking *(CI,TT), 695*
Universal Module, *63*
Versascan *(AS,CI), 63*
Vibrating Sack *(AS), 64*
VoiceMate, SwitchMate, ScanMate (2701-2708), *64*
VoicePal *(CI,EA), 160*
VoicePal Plus *(CI,EA), 160*
Wheels On The Bus I, II, III *(ES,TT), 704*
Worm Squirm *(ES,TT), 708*
WPS Loquitur 115 and 250, *65*
Yak Bak *(CI,EA), 162*

Training and Therapy Software {TT}

Computer software used for training or therapy. Included programs focus on such topics as basic skills, ADL skills, communication skills, and vocational training. Some related function codes are Assessment (AS), Keyboarding Training (KB), Language Therapy and Development (LT), Speech Therapy (ST), Signing (SI), and Cognitive Rehabilitation (CR).

101 Animations *(TR), 556*
Adult Switch Progressions *(TR), 556*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT), 557*
Antonyms and Synonyms (Cognitive Disorders 12) *(CR,LS), 557*
APH Presents the Talking Apple Computer *(SV), 558*
Aphasia Series: I through VIII *(CR,LS), 558*
Association Pictures *(CR), 559*
Attention, Perception & Discrimination Plus for Windows *(CR), 559*
Audio Braille Game Tutorial *(BR,GA,RE), 560*
Babysitting Basics *(VO), 560*
Be a Winner Series *(LS,VO), 561*
Bear Jam *(ES), 561*
BEST Faces *(ES), 562*
Big/Little I and II *(ES), 562*
BlissWrite *(PA,WP), 741*
Blocks in Motion *(DR,RE), 563*
Blueprint for Decision Making *(LS), 563*
Body Builder *(ES), 564*
Bozons' Quest *(GA,LS), 564*
Braille Tutorial *(BR), 565*
Breakthrough to Language: Clinical Edition *(LT,ST), 565*
Breakthrough to Language: Home Edition *(LT,ST), 566*
Buddy's Body *(AS,ES), 566*
Build-A-Scene, *567*
Cafet-for-Voice *(ST), 567*
CanSpeak *(CI,LT), 568*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS), 568*
Categories Plus for Windows *(CR), 569*
Category Discrimination and Reasoning Plus for Windows *(CR), 569*
Category Naming and Completion Plus for Windows *(CR), 570*
Cause & Effect *(TR), 570*
Cause 'n Effect *(ES), 571*
CAV-ASL *(SI), 571*
Children's Switch Progressions, *572*
Circletime Tales & Circletime Tales Deluxe *(ES), 572*
Cognitive Disorders I, II, III, IV *(CR), 573*
Cognitive Rehabilitation Software *(ES,LS,LT), 573*
Cogrehab Vol. 1 *(CR,LS), 574*
Cogrehab Vol. 2 *(CR,LS), 574*
Cogrehab Vol. 3 Version 2.0 *(CR,LS), 575*
Cogrehab Vol. 4 *(CR,LS), 575*
Cogrehab Vol. 5 *(CR,LS), 576*
Cogrehab Vol. 6 *(CR,LS), 576*
Cogrehab Vol. 7: Quest *(CR,LS), 577*
COINSNKEYS *(CN,ES,KB), 577*
Color Find *(ES), 578*
Colorful Concept Software *(ES), 578*
Colors and Shapes *(ES), 579*
Communication Training Program *(TR), 579*
Community Signs *(AD,LS,LT), 580*
Community Vehicles *(ES), 580*
Completion From Partial Information Plus for Windows *(CR), 581*
Computer CUP *(ES,LT), 581*
Computer Literacy Series *(KB), 582*
CONCENTRATE! On Words & Concepts *(LS,LT), 582*
Construc *(CR), 583*
Core Reading and Vocabulary Development *(ED,LS,LT), 583*
Creature Antics and Creature Capers *(GA,TR), 584*
Creature Cartoons *(ES,GA), 584*
Creature Chorus *(TR), 585*
Creature Features *(TR), 585*
Creature Magic *(GA,LS,LT,RE), 586*
CrossWords *(GA,LS), 586*
Data Entry *(VO), 587*
Deductive Reasoning Plus for Windows *(CR), 587*
Definitions Plus for Windows *(CR), 588*
DigiTalk 1 *(CI,EA,TR), 127*
Dino-Games *(ES,TR), 588*
Dinosaur Game *(ES,GA,TR), 589*
Dollars & Cents Series *(AD,CN), 589*
Early and Advanced Switch Games, *590*
Early Concepts *(ES), 590*
Early Emerging Rules Series *(LS,LT), 591*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,ES,LS), 591*
Early Learning I *(ES), 592*
Edmark Functional Word Series *(AD,VO), 592*
Eency-Weency Spider Game *(ES), 593*
Elementary Signer *(SI), 593*
Employment Signs *(AD,LS,LT), 594*
English on the Job *(AS,VO), 594*
Every Day Is A Holiday *(GA,RE), 595*
Exploring Early Vocabulary Series *(LS,LT), 595*
Family Fun *(AS,ES), 596*
Fast Food Game *(ES), 596*
Feelings *(ES), 597*
Find the Buttons, *597*
Fingerspeller *(SI), 598*
Fingerspelling & Numbers *(SI), 598*
FingerZoids *(GA,SI), 599*
First Categories *(ES,LS,LT), 599*
First Mate *(CR), 600*
First Step Software *(LT), 600*
First Verbs and Primeros Verbos *(ES,LT), 601*
First Words *(ES,LT), 601*
First Words II *(ES,LT), 602*
Following Directions: One- and Two-Level Commands *(ES), 602*
Following Directions: Left and Right *(ES), 603*
Food Facts *(AD,SV), 603*
Foundations I *(CR,ES), 604*
Foundations II *(CR,ES), 604*
Function Pictures *(CR), 605*
Functional Vocabulary Plus for Windows *(CR), 605*
Fundamental Concepts *(ES), 606*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES), 606*
Getting Clean with Herkimer Level I, II, III, *607*
GrammarPlay with Alps and Droops *(LS,LT), 607*
Grocery Store Words *(AD,LS), 608*
Hierarchical Attention Training *(CR,LS), 608*
Homographs *(CR,LS), 609*
Homophones *(CR,LS), 609*
Human Being Machine *(RE), 610*
If You're Happy and You Know It *(ES), 610*
Improving Your Self-Concept, *611*
Inferential Naming for Cognitive and Language Disorders *(CR,LS,LT), 611*
Inferential Naming Plus for Windows *(CR), 612*
Information Signs *(AD,LS,LT), 612*
Initial Phoneme Cuing for Aphasics *(CR), 613*
Interaction Games *(ES,GA,TR), 613*
Interaction Games II *(ES,GA,TR), 614*
Job Readiness Series *(AS,VO), 614*
Job Seeking Series *(LS,VO), 615*
Job Success Series *(VO), 615*
Join the Circus *(AS,ES), 616*
Joystick Trainer *(TR), 616*
Keyboarding by Ability *(ED,KB), 617*
Keyboarding for Individual Achievement *(ED,KB), 617*
Keyboarding for People with Cerebral Palsy *(ED,KB), 618*
Keyboarding Program with Voice Output *(KB), 618*
Keyboarding with One Hand *(ED,KB), 619*
Keys to Success: Comp. Keybd. Skills for Blind Children *(KB,SV), 619*
Language Master Special Edition - LM6000SE *(LP,LS,PA,SV,VS), 477*
Laryngograph *(AS,ST), 620*
Learn to Scan *(AS,TR), 620*
Learning Activity Packets (LAPs) *(CN,LS,VO), 621*
Learning How to Learn Series *(LS), 621*
Learning to Count *(CN), 622*
Learning to Reason Series *(LS), 622*
Learning to Spell Braille Signs *(BR), 623*

Less, More, Make Equal *(CN,CR), 623*
Let's Go Shopping I and II *(ES), 624*
Let's Go to the Circus *(LT), 624*
Letter Find *(CN,ES,KB,SV), 625*
LetterTALK+ *(SV,WP), 625*
Listen With Your Ears *(GA), 626*
Living Alone *(AD), 626*
Logi *(CR), 627*
Logo TouchTools for the PowerPad *(AS,ES), 627*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,WP), 756*
Magic *(CR), 628*
Magic Slate II *(LP,LS,PA,WP), 756*
Make It In Time *(AS,ES), 628*
Make It Scan *(AS,ES), 629*
Mastering Personal Information (MPI) *(AD,CR), 629*
Math Max *(CN,CR,GA), 630*
Math on the Job *(AS,CN,VO), 630*
Maze *(GA,RE), 631*
Medical Words *(AD,LS), 631*
Memory for Animated Sequences Plus for Windows *(CR), 632*
Memory I *(CR,ES,LS), 632*
Memory II *(CR,ES,LS), 633*
Micro Guide to Careers Series *(VO), 633*
Micro-LADS and Micro-LADS in French *(LT), 634*
Microcomputer Evaluation of Career Areas (MECA) *(AS,VO), 634*
MicroIllustrator *(DR,PA,RE), 758*
Mind Castle I and II *(GA,LS), 635*
Minimal Contrast Stories Plus for Windows *(ST), 635*
Minimal Contrast Therapy *(ST), 636*
Mix 'N Match *(ES), 636*
Money Matters *(LS), 637*
Money Skills *(AD,CN,LS), 637*
Motor Training Games *(AS,GA,PA,RE), 638*
Motor Training Games *(GA,TR), 638*
Multi-SCAN *(GA,TR), 639*
Multiple Meaning Words I Plus for Windows *(LT), 639*
Multiple Meaning Words II Plus for Windows *(LT), 640*
MusicWare *(CN,ES,GA,LS), 640*
MusicWare - Age Appropriate *(ES,GA), 641*
MY HOUSE: Language Activities of Daily Living *(LS,LT), 641*
My Paint & Talking Coloring Books *(DR,ES,LT), 642*
MY SCHOOL: Language Activites of Daily Living *(LS), 642*
MY TOWN: Language Activities of Daily Living *(LS,LT), 643*
Nasometer Model 6200-3 *(AS,ST), 643*
New Frog & Fly *(TR), 644*
Numeric Concepts I and II *(LS), 644*
Occupations, *645*
Octobus *(CN,CR,LS), 645*
Old MacDonald's Farm I and II *(ES,LS), 646*
On the Job Series - Career Interests *(VO), 646*
On the Job Series - Communication Skills *(VO), 647*
On the Job Series - Mathematics *(CN,VO), 647*
On the Job Series - Problem Solving Skills *(VO), 648*
One Switch Picasso *(DR,RE), 648*
Opening Windows *(KB), 649*
Opposites and Similarities Plus for Windows *(CR), 649*
Order Processing *(VO), 650*
Padded Food *(AS,ES), 650*
Padded Vehicles *(ES), 651*
Paper Dolls I and II *(AD,ES), 651*
PC Typer *(KB), 652*
Personal Development Software Series *(LS), 652*
Pick-A-Meal *(AD,GA), 653*
Pictalk *(CI,ES,TR), 653*
Picture Cue Dictionary *(AD,CI,LT,NA), 654*
Picture Identification Plus for Windows *(CR), 654*
Picture Naming Plus for Windows *(CR), 655*
Picture Scanner *(TR), 655*
Picture/Theme Disks *(TR), 656*
Pictures Programs: I, II and III *(CR,ES,LS), 656*
Point to Pictures *(TR), 657*
Positive Parenting *(AD), 657*
PowerPad Preschool Pack I & II *(GA), 658*
PowerTalker *(TR), 658*
Prefix *(CN,CR), 659*
Preposition Fill-Ins *(CR), 659*
Press to Play *(ES,TR), 660*
Primer 83 *(AS,LS), 660*
Problem Solving I *(CR), 661*
R.A.P.S. Software Series I PowerPad, *661*
Rabbit Scanner *(AS,ES), 662*
Race the Clock *(GA,RE), 662*
Rate Drill in Articulation, Language and Fluency *(LT,ST), 663*
Reactions (R73) *(ES), 663*
Reading a Ruler - English & Metric *(CN,VO), 664*
Reading Comprehension for Adolescents *(CR), 664*
Reasoning Skills on the Job *(AS,VO), 665*
Rhyming Pictures *(CR), 665*
Rockets to the Moon *(ES,GA,TR), 666*
Run Rabbit Run *(AS,ES), 666*
Safety Signs *(AD,LS,LT), 667*
Scan & Match 1, 2, 3, and 4 *(TR), 667*
Scan It - Switch It *(TR), 668*
Scanning Picasso *(DR,RE), 668*
Seasons, *669*
Seek & Find, *669*
Semantic Development Using Code Breaking Strategies *(LS,LT), 670*
Sentence Completion Plus for Windows *(LT), 670*
Sentence Key & Picture Sequence Key *(LT), 671*
Sentence Master *(LS), 671*
Shell Game & Mouse Game *(ES,GA), 672*
Sight Words *(LS), 672*
Silly Sandwich *(ES), 673*
Simple Sentence Structure *(ES,LT), 673*
SimpleCom I: Yes/No Communication *(CI,TR), 674*
SimpleCom II: Needs/Wants Communication *(CI,TR), 674*
Single Switch Software *(ED), 675*
Single Switch/MatchBox Pack I, *675*
Son of Seek and Find *(GA), 676*
Sorting by Category Plus for Windows *(CR), 676*
Sound Scope *(ST), 677*
Special Education Public Domain Software *(CR,ED,LS), 677*
SpeechViewer II *(ST), 678*
Steps for Career Choice *(VO), 678*
Storytime Series *(AD,LP,TR), 679*
Storytime Series for Macintosh *(AD,LP,TR), 679*
Studio4 *(CR), 680*
Subtle Messages *(SI), 680*
Survival Words *(AD,AS,LS,LT), 681*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT), 681*
Switch Arcade *(GA,RE), 682*
Switch Arcade *(GA), 682*
Switch Art *(ES), 683*
Switch It - Change It *(ES), 683*
Switch It - See It *(ES), 684*
Switch Puzzles *(RE,TR), 684*
SwitchEnsemble *(RE,TR), 685*
Talking Hands *(SI), 685*
Talking Literacy Kit for the Apple IIe (TALK IIe) *(GA,KB,WP), 686*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR), 686*
Talking Public Domain Disks *(ED,LS,SV,VO), 730*
Talking Touch Window *(AS,CI,TR), 687*
Talking Typer *(KB,SV), 687*
Talking Writer & Four Games *(KB,LP,PA,SV,WP), 766*
TalkTime with Tucker *(ST), 688*
Tea Party *(ES), 688*
Teenage Switch Progressions, *689*
Telling Time *(AD,CR), 689*
Telling Time, Parts of the Face, Learning Colors *(ES), 690*
THINKable/DOS *(CR), 690*
This is the Way We Wash Our Face *(ES,TR), 691*
This Old Man *(CN,SI), 691*
Timekeeper *(AD), 692*
Touch and Match *(ES), 692*
Touch and See *(ES), 693*
TouchMoney *(AD,CN,VO), 693*
Traffic Signs Plus for Windows *(AD), 694*
Transportation Signs *(AD,LS,LT), 694*
Trip to the Zoo *(GA), 695*
Turn-Talking *(CI,TR), 695*

Twenty Categories *(LS.LT). 696*
UKanDu Little Books *(LS). 696*
UKanDu Switches, Too! *(ES). 697*
Understanding Attributes *(CR). 697*
Verb Fill-Ins *(CR). 698*
Verbal Analogies *(LS.LT). 698*
Verbal Analogies Plus for Windows *(LT). 699*
Video Voice Speech Training System *(ST). 699*
Visi-Pitch Model 3300 *(ST). 700*
Visual Confrontation Naming Plus for Windows *(CR). 700*
Visual Memory Plus for Windows *(CR). 701*
Visual Motor Skills *(ES). 701*
Visual Pattern Memory Plus for Windows *(CR). 702*
Visuospatial Skills I *(CR). 702*
Visuospatial Skills II *(CR). 703*
Vortex Machine Assisted Reader Software *(LS). 703*
Wheels On The Bus I, II, III *(ES.TR). 704*
Wheels on the Bus I, II, III - Intellipics Activity *(ES.GA). 704*
Wheels on the Bus: COMPLETE *(ES). 705*
Where is Puff? *(ES). 705*
Word Association Plus for Windows *(CR). 706*
Word Order in Sentences *(LS.LT). 706*
Word Order Plus for Windows *(LT). 707*
Words and Concepts I, II, III *(LS.LT). 707*
WordWise Software *(LT). 708*
Worm Squirm *(ES.TR). 708*
WSCC (Washington State Cooperative Curriculum) *(LS). 709*
Zoo Time *(ES). 709*

Typing Acceleration Program {TA}

Software that speeds up the rate at which a person types, through some technique such as word prediction or abbreviation expansion. These products are also cross listed more specifically in Index 2 by their Input Expand/Accell features.

Aurora 2.0 for DOS *(CI.EA.LP.TI.WP). 376*
Aurora for Windows *(KM.TI.WP). 333*
B-Edit *(LP.PA.WP). 738*
CINTEX I *(EC.PA.PC.RE.TI.WP). 744*
Co:Writer *(PA). 745*
E Z Keys *(EC.KM). 339*
Expanded Keyboard Emulator *(KM). 340*
Finish Line *(PA). 751*
HandiWORD and HandiWORD International *(KM). 343*
Help U Type *(KM). 344*
JDN Shorthand (5073) *(KM). 346*
Keycache *(KM). 348*
KeyREP *(KM). 351*
KeyWiz *(KM). 352*
Magic Fingers *(KM). 354*
PAL *(KM). 358*
PRD+ (Productivity Plus) Basic Edition *(KM). 360*
Predict It *(PA.WP). 763*
ProKey *(KM). 361*
QuicKeys *(KM). 361*
SofType *(TI). 440*
Telepathic II *(PA). 767*
Tempo for Windows *(KM). 365*
Tempo II Plus *(KM). 365*
TempoEZ *(KM). 366*
TimeOut UltraMacros *(KM). 365*
TypeIt4Me *(PA). 770*
WiViK 2.0 (Windows Visual Keyboard) *(TI). 450*
WordWriter *(KM.WP). 368*
WriteAway *(PA.WP). 774*

Vocational {VO}

Software designed to teach or assess vocational skills, to assist in vocational placement, or to manage vocational programs.

Babysitting Basics *(TT). 560*
Be a Winner Series *(LS.TT). 561*
Career English *(ED.LS). 715*
Data Entry *(TT). 587*
Edmark Functional Word Series *(AD.TT). 592*
English on the Job *(AS.TT). 594*
Job Readiness Series *(AS.TT). 614*
Job Seeking Series *(LS.TT). 615*
Job Success Series *(TT). 615*
Learning Activity Packets (LAPs) *(CN.LS.TT). 621*
Math on the Job *(AS.CN.TT). 630*
Micro Guide to Careers Series *(TT). 633*
Microcomputer Evaluation of Career Areas (MECA) *(AS.TT). 634*
On the Job Series - Career Interests *(TT). 646*
On the Job Series - Communication Skills *(TT). 647*
On the Job Series - Mathematics *(CN.TT). 647*
On the Job Series - Problem Solving Skills *(TT). 648*
Order Processing *(TT). 650*
Reading a Ruler - English & Metric *(CN.TT). 664*
Reasoning Skills on the Job *(AS.TT). 665*
Steps for Career Choice *(TT). 678*
Talking Public Domain Disks *(ED.LS.SV.TT). 730*
TouchMoney *(AD.CN.TT). 693*

Voice Amplifiers {VA}

Small portable audio amplifiers designed to increase the volume of a person's voice. These are products for people with weak or soft speech, not hearing aids or other amplifiers for hearing impaired people.

ADDvox III System *(CI.SA). 3*
Amplifiers *(SA). 3*
Handset for Speech Amplification *(PC.SA). 6*
Park Speech Amplifier *(SA). 7*
Rand Voice Amplifier *(SA). 8*
Speechmaker *(SA). 10*
Voice Amplificaider *(CI.SA). 11*
Voicette *(SA). 12*

Voice-Output Screen Reader or Reading Machine {VS}

Software or software/hardware products which provide access to standard software through voice output. Also includes Optical Character Recognition (OCR) reading systems with voice output. Products which are strictly speech synthesizers are not included but are coded under Speech Synthesizer (SS).

Artic TransBook *(PW). 467*
Artic TransType *(PW.SV). 467*
ASAP (Automatic Speech Access Program) *(SV). 468*
BookWise, *468*
Braille 'n Speak *(BR.PW.SS.SV.TI). 469*
Braille 'n Speak Classic *(BR.CN.PA.SV.WP). 469*
Braille Lite *(BR.BT.CN.PW.SV). 470*
BrailleMate 2 *(BR.PW). 470*
Business Vision *(SV). 471*
David *(BR.BT.PA.PW.SS.SV). 471*
Echo II with Textalker & Echo II with Textalker-GS *(SS). 472*
Emacspeak, *472*
Gizmo *(LP.SV). 473*
HandiCHAT and HandiCHAT Deluxe *(SV). 473*
IBM Screen Reader/2 *(SV). 474*
IBM Screen Reader/DOS *(SV). 474*
Infovox 210 *(SV). 475*
JAWS for Windows *(SV). 475*

JAWS Screenreader *(SV), 476*
Keynote Companion *(CN,SV,TL,WP), 476*
Language Master Special Edition - LM6000SE *(LP,LS,PA,SV,TT), 477*
Magnum *(BR,PW,TI), 477*
Myna *(BR,PW,SV), 478*
Open Book, *478*
Open Book Unbound, *479*
outSPOKEN 1.7 *(SV), 479*
outSPOKEN for Windows *(SV), 480*
PCMaster & Windows Master *(BR,IA,SV), 460*
Protalk23 for Windows *(SV), 480*
PROVOX *(SV), 481*
Reading AdvantEdge, *481*
ScanTELL, *482*
ScreenPower *(SV), 482*
ScreenPower for Windows *(SV), 483*
Seekline *(SV), 483*
Slimware *(SV), 484*
Slimware Window Bridge *(SV), 484*
SoundProof *(SV), 485*
Speak Out VOILA *(LP,MG,SV,TI), 440*
Speaqualizer Speech Access System *(SV), 485*
Textalker-GS, *486*
Tinytalk *(SV), 486*
Type 'n Speak *(PW,SV), 487*
Vocal-Eyes *(SV), 487*
Win Vision *(SV), 488*
Window-Eyes *(SV), 488*
WINKLiNE *(SV), 489*
WordScholar *(SV), 489*

Word Processing (Writing) {WP}

Software or devices which have specific features designed for writing, storing, retrieving and editing text. Simple programs that allow the user to compose text but not to store, edit and manipulate it do not qualify as word processing programs. This code only includes programs or devices especially designed for disabled computer users. Special input and output systems (See Alternate Inputs and Alternate Display Systems, above) can be used to gain access to standard commercial word processing programs.

ADAPTA-LAN *(CI,LP,PC,TI), 374*
Aurora 2.0 for DOS *(CI,EA,LP,TA,TI), 376*
Aurora for Windows *(KM,TA,TI), 333*
B-Edit *(LP,PA,TA), 738*
BEX 3.1 *(BR,LP,PA,SV), 739*
BlissWrite *(PA,TT), 741*
Braille 'n Speak Classic *(BR,CN,PA,SV,VS), 469*
CINTEX I *(EC,PA,PC,RE,TA,TI), 744*
Equalizer *(CI,DR,EA,PW,RE,TI), 131*
Eye Relief *(LP,PA), 750*
Freedom Writer *(PA), 752*
Handheld Computers and Personal Organizers *(CM,EA), 133*
Keynote Companion *(CN,SV,TL,VS), 476*
Keysoft *(CN,PA,SV), 754*
Large Print Word Processors *(LP,PA), 755*
LetterTALK+ *(SV,TT), 625*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT), 756*
Magic Slate II *(LP,LS,PA,TT), 756*
MicroBraille 2 *(BR,PA), 758*
Noteworthy *(PA), 760*
Polycom *(CI,EA,PC,PW,TL), 146*
PowerSecretary *(TI), 433*
Predict It *(PA,TA), 763*
Talking Literacy Kit for the Apple IIe (TALK IIe) *(GA,KB,TT), 686*
Talking Writer & Four Games *(KB,LP,PA,SV,TT), 766*
TouchWindow *(DR,DS,ID,RE,TI), 444*
Wish Writer *(PA), 772*
WiVox *(PA), 772*
Word-Talk *(PA,SV), 773*
WordWriter *(KM,TA), 368*
Write This Way *(ED), 733*
Write:OutLoud *(PA), 774*
WriteAway *(PA,TA), 774*

Index 2

Products Listed by Input/Output Feature

This index includes lists of products (except switches) according to certain input and output features. Each list includes any product in the book with that feature. Products are arranged alphabetically within each list. The function codes assigned to that product follow in parentheses. Switches are listed separately in Index 3.

For example, if you are looking for a word processing program with both large print and synthesized speech output, you would go to the list titled "Output Display: Large Print." As you look through the list you would note those products with the function codes WP (word processing) and SV (screen display to voice). By searching in this manner you would identify five programs that meet the function/feature criteria. You would then go to the individual product descriptions to check on the type of computer, age appropriateness, additional features, etc. Once the search has been narrowed, call the manufacturer for up-to-date information on the product.

892

Titles of product lists in this index:

Input Expand/Accel: Abbreviation Expansion
Input Expand/Accel: Encoding (Chart or Memory Based)
Input Expand/Accel: Levels or Pages
Input Expand/Accel: Morse
Input Expand/Accel: Predictive

Input Method: Directed Scanning
Input Method: Scanning

Input Symbol System: Auditory Presentation (eg Auditory Scanning)
Input Symbol System: Bliss Symbols
Input Symbol System: Photos/Pictures/Line Drawings
Input Symbol System: User Selectable Symbols
Input Symbol System: Whole Words

Input Type: Air (Sip/Puff)
Input Type: Contact (Zero Pressure)
Input Type: Eye Movement and Eye Gaze
Input Type: Head Controlled
Input Type: Input Jack - Accepts Any Switch
Input Type: Joystick/Wobblestick
Input Type: Light Sensitive (Optical)
Input Type: Movement Activated
Input Type: Noise (Sound or Vocalization)
Input Type: OCR (Optical Character Recognition)
Input Type: Pressure Sensitive
Input Type: Speech Recognition
Input Type: Wireless

Output/Display: Braille Printer
Output/Display: Deaf Baudot (for TDD's)
Output/Display: Ideographic/Pictographic Symbols
Output/Display: Large Print
Output/Display: Modem (ASCII)
Output/Display: Speech Output
Output/Display: Tactile/Braille Display (Dynamic)

Switch Inputs: Uses Analog Control
Switch Inputs: Uses Dual Switch
Switch Inputs: Uses Joystick (4 or 5 Switches)
Switch Inputs: Uses Multiple Switches (3 to 16 Switches)
Switch Inputs: Uses Single Switch

Function codes which may appear in parentheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AS	Assessment (Evaluation)
BP	Book/Paper Handling
BR	Braille
BT	Braille and Tactile Output Systems
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ED	Adaptive Educational Software
ES	Early Skills (Pre-Reading)
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MG	Magnification Hardware and Software for Computer Displays
MS	Mounting Systems
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
RS	Repetitive Strain Injury (RSI) Prevention
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TA	Typing Acceleration Program
TD	Telecommunication Device for the Deaf (TDD)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TR	Training or Communication Initiation Aid
TT	Training and Therapy Software
VA	Voice Amplifier
VO	Vocational
VS	Voice-Output Screen Reader or Reading Machine
WP	Word Processing (Writing)

Input Expand/Accel: Abbreviation Expansion

System whereby the user types a short series of characters (letters, numbers, etc.) and this short series of characters (the abbreviation) triggers a longer series of characters (the expansion). Sometimes known as a "macro."

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
B-Edit *(LP,PA,TA,WP), 738*
Bloorview Miniature Keyboard *(TI), 379*
Crestalk *(CI,EA), 126*
E Z Keys *(EC,KM,TA), 339*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
Expanded Keyboard Emulator *(KM,TA), 340*
GEWA FTB 108 Enlarged Keyboard *(TI), 391*
GEWA METB 121 Reduced Size Keyboard *(TI), 391*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
HandiCODE and HandiCODE Deluxe *(SV,TI), 393*
JDN Shorthand (5073) *(KM,TA), 346*
KeyREP *(KM,TA), 351*
KeyWiz *(KM,TA), 352*
LIAISON *(EC,KE,PC,TI), 407*
LightWRITER SL35 *(CI,EA), 138*
MacroMaster/pro *(KM,TI), 411*
Magic Fingers *(KM,TA), 354*
Mastervoice Environmental Control Single User Unit *(EC,PC), 285*
PRD+ (Productivity Plus) Basic Edition *(KM,TA), 360*
ProKey *(KM,TA), 361*
QuicKeys *(KM,TA), 361*
RealVoice *(AS,CI,EA,EC,PW,TI), 147*
ScanPAC *(CI,CN,EA,EC,PW,TI), 150*
Scribe *(CI,EA,KG,PW), 150*
Switch-Back *(ID,TI), 443*
Talk:About *(CI,EA), 156*
Talking Screen *(CI,EA,PA), 156*
Tempo for Windows *(KM,TA), 365*
Tempo II Plus *(KM,TA), 365*
TempoEZ *(KM,TA), 366*
TimeOut UltraMacros *(KM,TA), 366*
TypeIt4Me *(PA,TA), 770*
VoiceBachs *(CI,EA,SS), 159*
WiViK 2.0 (Windows Visual Keyboard) *(TA,TI), 450*

Input Expand/Accel: Encoding (Chart or Memory Based)

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on keyboard). The user enters a code (often a series of digits) in order to make a selection. A communication aid with a ten-key keyboard, for example, could be used to access 1000 items of vocabulary, each with a three-digit code.

Help U Type and Speak *(CI,EA,KM), 135*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
VOIS 160 *(CI,EA), 161*

Input Expand/Accel: Levels or Pages

A system for allowing the number of possible selections to be greater than the number of selection areas (such as keys on a keyboard). The system has a number of different meanings for each key, depending upon the "level" (or "page") active. To make a selection, the user picks the desired level and the desired key.

BlackHawk *(CI,EA), 122*
DAC *(CI,EA,SS), 126*
DynaVox2 & DynaVox2c *(CI,EA), 129*
EasyTalk *(CI,EA), 130*
Equalizer *(CI,DR,EA,PW,RE,TI,WP), 131*
GEWA FTB 108 Enlarged Keyboard *(TI), 391*
GEWA METB 121 Reduced Size Keyboard *(TI), 391*
HandiKEY and HandiKEY Deluxe *(KM), 342*
LIAISON *(EC,KE,PC,TI), 407*
Lingraphica *(CI,CR,EA,PA), 139*
MegaWolf *(CI,EA), 141*
Say-It-All II Plus *(CI,EA,KG,PW), 148*
WhisperWolf *(CI,EA), 162*
WiViK 2.0 (Windows Visual Keyboard) *(TA,TI), 450*

Input Expand/Accel: Morse

System where the user indicates selections by Morse code. "Dot and dash" patterns are assigned to each possible choice. Frequently done with one or two switches.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
CarryCom *(CI,EA), 123*
DARCI TOO *(TI), 382*
DEUCE *(EC,PC), 273*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
ezMorse for Windows *(TI), 388*
HandiCODE and HandiCODE Deluxe *(SV,TI), 393*
Jouse *(MT,TI), 400*
Morse Code WSKE II *(TI), 418*
Scan Com *(CI,EA,EC), 149*
Scanning WSKE II *(TI), 437*

Input Expand/Accel: Predictive

A system that predicts what character the user will type next. A typical predictive system will provide the user with possible completions of a word that the user has begun typing. If the correct word appears, the user can immediately select it, and need not finish typing it.

Aurora 2.0 for DOS *(CI,EA,LP,TA,TI,WP), 376*
Aurora for Windows *(KM,TA,TI,WP), 333*
CINTEX I *(EC,PA,PC,RE,TA,TI,WP), 744*
Co:Writer *(PA,TA), 745*
Doors II *(TI), 382*
E Z Keys *(EC,KM,TA), 339*
Equalizer *(CI,DR,EA,PW,RE,TI,WP), 131*
Expanded Keyboard Emulator *(KM,TA), 340*
Finish Line *(PA,TA), 751*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
HandiWORD and HandiWORD International *(KM,TA), 343*
Help U Type *(KM,TA), 344*
HyperBliss 3.2 *(EA), 136*
Keycache *(KM,TA), 348*
KeyREP *(KM,TA), 351*
KeyWiz *(KM,TA), 352*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
Mouse Keys *(TI), 419*
One Access *(IA,TI), 427*
Pre-Dict-ate *(TI), 433*
Predict It *(PA,TA,WP), 763*
RevolvingDoors *(MT,TI), 437*
Telepathic II *(PA,TA), 767*
VoiceBachs *(CI,EA,SS), 159*
Wish Writer *(PA,WP), 772*
WordWriter *(KM,TA,WP), 368*
WriteAway *(PA,TA,WP), 774*

Input Method: Directed Scanning

Scanning systems using a row-and-column grid of choices, with a directional control (such as a joystick). The user can move in any desired direction to arrive at a selection.

Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
DynaVox2 & DynaVox2c *(CI,EA), 129*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
Proportional Keystroke Scanner *(TI), 434*

Scan-It-All *(CI,EA,EC), 149*
ScanPAC *(CI,CN,EA,EC,PW,TI), 150*
Switchboard *(CI,EA), 154*
X-10 Home Control Interface *(EC), 306*

Input Method: Scanning

A selection technique whereby choices are presented to the user sequentially, and the user indicates when the right choice is arrived at (usually by activating a switch). To indicate choices, the scanning system may have a clock hand, a series of lights that light sequentially, or (on a computer screen) a moving cursor. Scanning may employ one, two or more switches, and may be done with a variety of techniques (automatic, row-and-column, etc.)

Able2Speak *(EA), 117*
ActionVoice *(CI,EA,TR), 118*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
AlphaTalker *(CI,EA,TI), 119*
Audible Cursor Routine *(CI,EA,PA,TR), 121*
Aurora 2.0 for DOS *(CI,EA,LP,TA,TI,WP), 376*
Aurora for Windows *(KM,TA,TI,WP), 333*
Bed Control (DBC-1) *(EC), 269*
Blocks in Motion *(DR,RE,TT), 563*
Canon Communicator CC-7S and CC-7P *(CI,EA), 123*
Card Communicator *(CI,RE,TR), 34*
CarryCom *(CI,EA), 123*
Cheap Talk 4 & 8 *(CI,EA,TR), 124*
Clock Communicator *(AS,CI,TR), 36*
Comboard (2615) *(AS,CI,TR), 36*
Communication Programs *(CI,EA,EC,TR), 124*
Communiclock *(AS,CI,TR), 37*
Communilight 24 *(EA,TR), 37*
Compartmentalized Communicator *(AS,CI,TR), 38*
Control 1 *(EC,PC), 272*
Controller *(EC), 272*
DARCI TOO *(TI), 382*
DEUCE *(EC,PC), 273*
Dial Scan *(AS,CI,TR), 40*
Dino-Games *(ES,TR,TT), 588*
Dinosaur Game *(ES,GA,TR,TT), 589*
Dual Clock Communicator *(CI,TR), 42*
DynaVox2 & DynaVox2c *(CI,EA), 129*
E-Tran Scanner *(AS,CI,TR), 43*
Early Concepts *(ES,TT), 590*
EASICORDER *(EC), 274*
EasyTalk *(CI,EA), 130*
Equalizer *(CI,DR,EA,PW,RE,TI,WP), 131*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
EZRA *(CI,CM,EC,PC), 277*
ezScan *(TI), 388*
First Aide Kit *(CM,EC,PC), 278*
First Categories *(ES,LS,LT,TT), 599*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
GEWA Infra-Link Speaker-Telephone *(CI,EC,PC), 279*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
Handy Speech Communication Aide *(CI,EA,SS), 134*
Help U Key *(TI), 394*
HyperBliss 3.2 *(EA), 136*
I Can Speak *(CI,EA), 136*
Instant Access *(TI), 397*
Interaction Games *(ES,GA,TR,TT), 613*
Interaction Games II *(ES,GA,TR,TT), 614*
Join the Circus *(AS,ES,TT), 616*
Ke:nx *(KE,MT,TI), 402*
Kincontrol (4105) *(EC), 284*
Learn to Scan *(AS,TR,TT), 620*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
LightWRITER SL85 *(CI,EA), 139*
Lynx *(CI,EA,TR), 140*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT,WP), 756*
Macaw Series *(CI,EA), 140*
Make It In Time *(AS,ES,TT), 628*
MessageMate 20 *(CI,EA,TR), 141*
MessageMate 40 *(CI,EA,TR), 142*
Meta4 *(CI,EA), 143*
Micro-LADS and Micro-LADS in French *(LT,TT), 634*
Money Skills *(AD,CN,LS,TT), 637*
Motor Training Games *(AS,GA,PA,RE,TT), 638*
Motor Training Games *(GA,TR,TT), 638*
Multi-SCAN *(GA,TR,TT), 639*
Nine Compartment Row/Column Scanner *(CI,TR), 48*
One Access *(IA,TI), 427*
OneStrk *(TI), 428*
Pick-A-Meal *(AD,GA,TT), 653*
Pictalk *(CI,ES,TR,TT), 653*
Picture Scanner *(TR,TT), 655*
Rabbit Scanner *(AS,ES,TT), 662*
ReadyScan *(CI,EA), 147*
RevolvingDoors *(MT,TI), 437*
Rockets to the Moon *(ES,GA,TR,TT), 666*
Round Clock Communicator *(CI,TR), 53*
Run Rabbit Run *(AS,ES,TT), 666*
Scan & Match 1, 2, 3, and 4 *(TR,TT), 667*
Scan Com *(CI,EA,EC), 149*
Scan It - Switch It *(TR,TT), 668*
Scan-It-All *(CI,EA,EC), 149*
ScanLite *(CI,TR), 53*
Scanning Conversion Program, *550*
Scanning Director *(EC), 293*
Scanning Picasso *(DR,RE,TT), 668*
Scanning Remote Control (SRC) *(EC), 294*
Scanning WSKE II *(TI), 437*
Scanning X-10 Powerhouse *(EC), 294*
ScanPAC *(CI,CN,EA,EC,PW,TI), 150*
Sequential Scanner *(AS,CI,TR), 54*
Sight Words *(LS,TT), 672*
Single-Switch Multi-Appliance Control Unit & Modules *(EC), 296*
Single-Switch TV Control Unit *(EC), 297*
SofType *(TA,TI), 440*
Speaking Dynamically *(CI,EA), 152*
Special Education Public Domain Software *(CR,ED,LS,TT), 677*
Steeper Communication/Teaching Aid *(AS,CI,TR), 56*
Storytime Series *(AD,LP,TR,TT), 679*
Storytime Series for Macintosh *(AD,LP,TR,TT), 679*
Switchboard *(CI,EA), 154*
SwitchMouse *(MT,TI), 443*
TouchMoney *(AD,CN,TT,VO), 693*
Trip to the Zoo *(GA,TT), 695*
TVRC and TVRCS *(EC), 301*
Versascan *(AS,CI,TR), 63*
Vocal Assistant *(CI,CM,EA), 159*
VoicePal Plus *(CI,EA,TR), 160*
Where is Puff? *(ES,TT), 705*
WhisperWolf *(CI,EA), 162*
Wish Writer *(PA,WP), 772*
WriteAway *(PA,TA,WP), 774*
X-10 Powerhouse System *(EC), 307*

Input Symbol System: Auditory Presentation (eg Auditory Scanning)

A system which presents the user with a series of choices auditorially (for instance spoken by a speech synthesizer). When the system arrives at the desired choice the user indicates it (usually with a switch).

Audible Cursor Routine *(CI,EA,PA,TR), 121*
AudScan II *(CI,EA), 121*
Letter Find *(CN,ES,KB,SV,TT), 625*
Lynx *(CI,EA,TR), 140*
Sight Word Spelling *(ED,LS,SV), 726*

Input Symbol System: Bliss Symbols

A special set of international pictographic symbols.

AccessBliss 2.2 *(NA), 69*
BlissWrite *(PA,TT,WP), 741*
Blissymbol Templates *(NA), 71*
Blissymbol Vocabulary Stamps *(CI,NA), 72*
CanSpeak *(CI,LT,TT), 568*
Core Vocabulary *(CI,NA), 80*
HyperBliss 3.2 *(EA), 136*
Pegasus *(CI,EA,EC), 145*

Input Symbol System: Photos/Pictures/Line Drawings

A system which depends upon this type of symbol extensively enough that the user does not have to understand any other system (such as the alphabet).

Attainment Communication Collection *(CI,NA), 71*
Bear Jam *(ES,TT), 561*
Big/Little I and II *(ES,TT), 562*
Boardmaker for Windows *(NA), 73*
Buddy's Body *(AS,ES,TT), 566*
Canon Communicator CC-7S and CC-7P *(CI,EA), 123*
Cleo Communication Board *(CI,NA), 75*
Communication Sheets *(CI,NA), 79*
Communilight 24 *(EA,TR), 37*
Community Vehicles *(ES,TT), 580*
Core Picture Vocabulary *(CI,NA,TR), 80*
DAC *(CI,EA,SS), 126*
Deluxe Communication Board Kit *(CI,NA), 81*
Dinosaur Game *(ES,GA,TR,TT), 589*
DynaSyms *(CI,NA), 82*
DynaVox2 & DynaVox2c *(CI,EA), 129*
Early Concepts *(ES,TT), 590*
Eency-Weency Spider Game *(ES,TT), 593*
Family Fun *(AS,ES,TT), 596*
Fast Food Game *(ES,TT), 596*
Feelings *(ES,TT), 597*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
Help Me at Home & School-G 5&6 *(NA), 85*
Help Me to Help Myself Handbook *(CI,NA), 86*
ICU-G 1&2 *(CI,NA), 87*
If You're Happy and You Know It *(ES,TT), 610*
Interaction Games *(ES,GA,TR,TT), 613*
Interaction Games II *(ES,GA,TR,TT), 614*
Let's Go Shopping I and II *(ES,TT), 624*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
Life Experiences Communication Kit *(CI,NA), 89*
Lingraphica *(CI,CR,EA,PA), 139*
Motor Training Games *(GA,TR,TT), 638*
Oakland Schools Picture Dictionary *(CI,NA), 92*
Old MacDonald's Farm I and II *(ES,LS,TT), 646*
Opticommunicator *(CI,NA), 95*
Padded Food *(AS,ES,TT), 650*
Padded Vehicles *(ES,TT), 651*
Paper Dolls I and II *(AD,ES,TT), 651*
Passport Kits *(CI,NA), 95*
Pegasus *(CI,EA,EC), 145*
Personal Trainer *(CI,EA,TR), 145*
Pick 'N Stick Color Packs *(NA), 98*
Pick 'N Stick Fast Food *(NA), 99*
Pick 'n Stick Primary Pack *(NA), 100*
PICSYMS Categorical Dictionary *(CI,NA), 100*
Pictalk *(CI,ES,TR,TT), 653*
Picture Scanner *(TR,TT), 655*
Pictures, Please! *(CI,NA), 104*
Point to Pictures *(TR,TT), 657*
Quad Talk *(AS,CI,TR), 52*
Rockets to the Moon *(ES,GA,TR,TT), 666*
Select-A-Meal and Shopping Smart *(NA), 107*
Self-Talk Stickers *(CI,NA), 107*
Silent Speaker *(CI,NA), 108*
Silly Sandwich *(ES,TT), 673*
SimpleCom II: Needs/Wants Communication *(CI,TR,TT), 674*
Specialist *(CI,EA,NA,TR), 153*
Stickers for Talk Boards *(CI,NA), 108*
Switch It - Change It *(ES,TT), 683*
Switch It - See It *(ES,TT), 684*
Talking Pictures Communication Board *(CI,NA), 109*
Talking Pictures, Kits I - VII *(CI,NA,SI), 109*
Talking Screen *(CI,EA,PA), 156*
Talking Screen for Windows *(CI,EA,PA), 157*
Talking Touch Window *(AS,CI,TR,TT), 687*
Tea Party *(ES,TT), 688*
This is the Way We Wash Our Face *(ES,TR,TT), 691*
Touch 'N Talk Communication Stickers *(CI,NA), 111*
Touch 'N Talk Micros *(CI,NA), 111*
Tri-Responder *(AS,TR), 62*
Wheels On The Bus I, II, III *(ES,TR,TT), 704*
Where is Puff? *(ES,TT), 705*
WordWise Language & Master Cards *(CI,NA), 112*
WordWise Sticker Set *(CI,NA), 112*
Worm Squirm *(ES,TR,TT), 708*
Zoo Time *(ES,TT), 709*

Input Symbol System: User Selectable Symbols

Any system where users can select, create, and use their own set of symbols.

ActionVoice *(CI,EA,TR), 118*
Activity Board *(AS,EC,TR), 30*
Alphabet Board Kit *(CI,NA), 69*
AlphaTalker *(CI,EA,TI), 119*
Appointment Book *(CI,NA), 70*
Attainment Fifteen Talker *(CI,EA,TR), 119*
Attainment Five Talker & Talker Plus *(CI,EA,TR), 120*
Attainment Two Talker *(CI,EA,TR), 120*
Calendars *(CI,NA), 74*
Chain Talk *(CI,NA), 75*
Clock Communicator *(AS,CI,TR), 36*
Comboard (2615) *(AS,CI,TR), 36*
Communication Binder *(CI,NA), 76*
Communication Folder and Tri-Folder *(CI,NA), 78*
Communication Symbol Holders *(CI,NA), 79*
Communiclock *(AS,CI,TR), 37*
Communilight 24 *(EA,TR), 37*
Compartmentalized Communicator *(AS,CI,TR), 38*
Deluxe Communication Board Kit *(CI,NA), 81*
Deluxe Talk Board *(CI,NA), 81*
Dial Scan *(AS,CI,TR), 40*
Dual Clock Communicator *(CI,TR), 42*
Duo-Responder *(CI,TR), 42*
DynaVox2 & DynaVox2c *(CI,EA), 129*
EasyTalk *(CI,EA), 130*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
Expanded Keyboards for the Talking BlissApple *(KG,TI), 386*
Eye Transfer Communication System *(CI,NA), 83*
Eye-Com Board *(CI,NA), 84*
Fold It System *(CI,NA), 84*
Hawk *(CI,EA,TR), 134*
Individualized Communication Systems *(CI,NA), 88*
IntelliKeys *(TI), 398*
Keypad (2425) *(AS,TR), 45*
Keyport 300 *(TI), 404*
Keyport 60 *(TI), 404*
King Keyboard (2440) *(TI), 405*
Light Activated Switch Panel *(CI,TR), 46*
LightBoard *(TI), 408*
Logo TouchTools for the PowerPad *(AS,ES,TT), 627*
Lynx *(CI,EA,TR), 140*
MegaWolf *(CI,EA), 141*
MessageMate 20 *(CI,EA,TR), 141*
MessageMate 40 *(CI,EA,TR), 142*
Mid-Sized Communication Book *(CI,NA), 91*

Mini Talking Card Reader *(CI,EA,TR). 143*
Mini-MessageMate *(CI,EA,TR). 144*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI). 425*
Opticommunicator *(CI,NA). 95*
Parrot *(CI,EA,TR). 144*
Pegasus *(CI,EA,EC). 145*
Pocket Picture Holder *(NA). 105*
Pocket-Sized and Double Pocket-Sized Communication Book *(CI,NA). 105*
Porta Book *(CI,NA). 106*
PowerPad *(DR,RE,TI). 432*
PowerPad Starter Kit *(TI). 432*
Quad Talk *(AS,CI,TR). 52*
RealVoice *(AS,CI,EA,EC,PW,TI). 147*
Round Clock Communicator *(CI,TR). 53*
Say-It-All II Plus *(CI,EA,KG,PW). 148*
Say-It-Simply Plus *(CI,EA,TR). 148*
ScanPAC *(CI,CN,EA,EC,PW,TI). 150*
Sequential Scanner *(AS,CI,TR). 54*
Shadow Talker *(CI,EA,TR). 151*
SimpleCom I: Yes/No Communication *(CI,TR,TT). 674*
SpeakEasy *(CI,EA). 152*
Speaking Dynamically *(CI,EA). 152*
Steeper Communication/Teaching Aid *(AS,CI,TR). 56*
Switch Modified PowerPad *(TI). 442*
Switchboard *(CI,EA). 154*
Talk Back III *(CI,EA,TR). 155*
Talk Back VI *(CI,EA,TR). 155*
Talking Pictures Communication Board *(CI,NA). 109*
Talking Screen for Windows *(CI,EA,PA). 157*
Touch 'N Talk Communication Board *(CI,NA). 110*
Touch 'N Talk Communication Notebook *(CI,NA). 110*
Tri-Responder *(AS,TR). 62*
Versascan *(AS,CI,TR). 63*
Vocal Assistant *(CI,CM,EA). 159*
VoicePal Plus *(CI,EA,TR). 160*
VOIS 160 *(CI,EA). 161*
WalkerTalker *(CI,EA). 161*
WhisperWolf *(CI,EA). 162*

Input Symbol System: Whole Words

A system that provides menus of words for the user to choose from.

Able2Speak *(EA). 117*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI). 374*
Alphabet Board Kit *(CI,NA). 69*
Communication Programs *(CI,EA,EC,TR). 124*
DAC *(CI,EA,SS). 126*
Deluxe Communication Board Kit *(CI,NA). 81*
Emotional Moods & Needs-G 3&4 *(CI,NA). 82*
Foods I Like Menu Book *(CI,NA). 85*
Handy Speech Communication Aide *(CI,EA,SS). 134*
Help Me at Home & School-G 5&6 *(NA). 85*
Help Me to Help Myself Handbook *(CI,NA). 86*
Help U Type and Speak *(CI,EA,KM). 135*
ICU-G 1&2 *(CI,NA). 87*
King Keyboard (2440) *(TI). 405*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT,WP). 756*
Passport Kits *(CI,NA). 95*
Personal Trainer *(CI,EA,TR). 145*
Self-Talk Stickers *(CI,NA). 107*
Sight Words *(LS,TT). 672*
Silent Speaker *(CI,NA). 108*
Talking Touch Window *(AS,CI,TR,TT). 687*
VoiceBachs *(CI,EA,SS). 159*

Input Type: Air (Sip/Puff)

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below)

Able-Phone 1900 and 2000 *(EC,PC). 266*
Baton Laser Pointer *(PT). 16*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT). 568*
Custom Speaker Phone *(EC,PC). 273*
First Aide Kit *(CM,EC,PC). 278*
HECS-1 *(EC,PC). 282*
Jouse *(MT,TI). 400*
Mouth Operated Joystick for Genesis Video Game *(GA,RE,TI). 422*
One-Hand Operated Joystick for Genesis Video Game *(TI). 427*
Proportional Keystroke Scanner *(TI). 434*
Sip/Puff Bed Control *(EC). 297*
T-140 Series Puff/Sip Speakerphones *(EC,PC). 299*
URC-400 Series Universal Remote Control *(EC). 305*
VX-5000 Cordless Phone *(CI,EC,PC). 305*

Input Type: Contact (Zero Pressure)

Systems that require absolutely no pressure, only contact, to activate.

BioMuse *(TI). 378*

Input Type: Eye Movement and Eye Gaze

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

Eye Slaved Pointing System *(EC,PC,TI). 387*
Eye Transfer Communication System *(CI,NA). 83*
Eye-Com *(CI,NA). 83*
Eye-Com Board *(CI,NA). 84*
Eyegaze Computer System *(EA,EC,PC,TI). 132*
Nu-Vue-Cue *(CI,NA). 92*
Object Communicator *(CI,NA). 93*
Opticommunicator *(CI,NA). 95*
VisionKey *(EA,TI). 158*

Input Type: Head Controlled

Systems controlled by movement of the head, including systems controlled with head-mounted light pointers. Also any head-controlled input device.

ActionVoice *(CI,EA,TR). 118*
Adjustable Head Pointer *(PT). 15*
Adjustable Head Pointer *(PT). 15*
Adjustable Head Pointer PC 7590 *(PT). 16*
AlphaTalker *(CI,EA,TI). 119*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT). 568*
Clear-View Head Pointer *(PT). 17*
Doors II *(TI). 382*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI). 131*
H71830 Adjustable Head Pointer *(PT). 18*
H73217 Mouth Held Page Turners *(BP,PT). 19*
Head Pointers: AD-1, AD-2, AD-3 *(PT). 20*
HeadMaster Plus *(MT,TI). 393*
HeadMouse *(DR,MT,TI). 394*
Help U Keyboard *(TI). 395*
Heyer-Abadie Modular Mouthstick *(PT). 20*
Laser Light Pointer *(PT). 21*
Laser Optic Keyboard *(CI,TI). 407*
Liberator *(CI,CN,EA,EC,PW,TI). 137*
Light Activated Switch Panel *(CI,TR). 46*

Light Beam Indicator *(PT), 21*
Light Pointer *(PT), 22*
Light Pointer *(PT), 22*
Light Pointers *(PT), 23*
LightBeam *(PT), 23*
LightBoard *(TI), 408*
Lynx *(CI,EA,TR), 140*
Mouse Keys *(TI), 419*
Mouthsticks *(BP,PT), 24*
Scan-It-All *(CI,EA,EC), 149*
ScreenDoors *(TI), 438*
SynergyMac and SynergyPC *(CI,PW,TI), 444*
Talking Laser Beam *(PT), 25*
Vacuum Wand *(BP,PT), 26*
Viewpoint Optical Indicator *(PT), 26*
WiViK 2.0 (Windows Visual Keyboard) *(TA,TI), 450*

Input Type: Input Jack - Accepts Any Switch

Systems that have an input jack (or plug) which can be connected to a variety of switches. Communication aids and computer access systems that are switch-operated are indicated by this code.

101 Animations *(TR,TT), 556*
Ability Switch Phone Sequencer *(CI,EC,PC), 265*
Ability Switch Tester (5955) *(AS,TR), 29*
Able-Phone 100WA *(EC,PC), 266*
Able-Phone 1900 and 2000 *(EC,PC), 266*
Able2Speak *(EA), 117*
AC Adaptor FRE-103C *(TR), 29*
Access-I *(CI,PW,TI), 373*
ActionVoice *(CI,EA,TR), 118*
Adap2U *(MT,TI), 373*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
Adult Switch Progressions *(TR,TT), 556*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT,TT), 557*
AlphaTalker *(CI,EA,TI), 119*
AND Module *(TR), 31*
And Or Box *(AS,TR), 31*
Aphasia Series: I through VIII *(CR,LS,TT), 558*
Apple Computer Input Adapter *(IA), 453*
APT Automaddak Page Turner System *(BP,EC), 268*
Audible Cursor Routine *(CI,EA,PA,TR), 121*
Battery Adapter *(AS,TR), 32*
Battery Device Adapter *(AS,TR), 32*
Battery Interrupter *(AS,TR), 33*
Beeper *(AS,CM,TR), 313*
BEST Faces *(ES,TT), 562*
BEST Switch Interface *(IA), 453*
Big/Little I and II *(ES,TT), 562*
Big:Calc *(CN,LP,PA), 740*
BIGmack *(CI,EA,TR), 122*
Blocks in Motion *(DR,RE,TT), 563*
Bozons' Quest *(GA,LS,TT), 564*
Build-A-Scene *(TT), 567*
Buzzer Box *(CM,TR), 34*
Call Signal 2 *(AS,CM,TR), 314*
Canon Communicator CC-7S and CC-7P *(CI,EA), 123*
Card Communicator *(CI,RE,TR), 34*
Cause & Effect *(TR,TT), 570*
Cheap Talk 4 & 8 *(CI,EA,TR), 124*
Children's Switch Progressions *(TT), 572*
Chime Alarm *(AS,CM,TR), 315*
CINTEX I *(EC,PA,PC,RE,TA,TI,WP), 744*
CINTEX2 *(EC,PA,PC), 271*
Clear Clock Communicator *(CI,TR), 35*
Clock Communicator *(AS,CI,TR), 36*
Cogrehab Vol. 5 *(CR,LS,TT), 576*
Colors and Shapes *(ES,TT), 579*
Comboard (2615) *(AS,CI,TR), 36*
Communication Programs *(CI,EA,EC,TR), 124*
Communiclock *(AS,CI,TR), 37*
Communilight 24 *(EA,TR), 37*
Compartmentalized Clock Communicator *(CI,TR), 38*
Compartmentalized Communicator *(AS,CI,TR), 38*
Computer Switch Interface *(IA), 455*
CONCENTRATE! On Words & Concepts *(LS,LT,TT), 582*
Control 1 *(EC,PC), 272*
Controller *(EC), 272*
Counter Box *(AS,TR), 39*
Counter Module *(AS,TR), 39*
Creature Antics and Creature Capers *(GA,TR,TT), 584*
Creature Cartoons *(ES,GA,TT), 584*
Creature Chorus *(TR,TT), 585*
Creature Features *(TR,TT), 585*
Creature Magic *(GA,LS,LT,RE,TT), 586*
CrossScanner *(IA), 455*
DARCI TOO *(TI), 382*
Delay Timer Box *(AS,EC,TR), 40*
DEUCE *(EC,PC), 273*
Dial Scan *(AS,CI,TR), 40*
Dino-Games *(ES,TR,TT), 588*
Dinosaur Game *(ES,GA,TR,TT), 589*
Dual Channel Latching Switch Interface *(AS,EC,TR), 41*
Dual Clock Communicator *(CI,TR), 42*
Duo-Responder *(CI,TR), 42*
DynaVox2 & DynaVox2c *(CI,EA), 129*
E-Tran Scanner *(AS,CI,TR), 43*
E.A.S.I.dialer (2110) *(EC,PC), 274*
Early and Advanced Switch Games *(TT), 590*
Early Concepts *(ES,TT), 590*
Early Learning I *(ES,TT), 592*
Early Learning II *(CN,ED,ES), 717*
EASICORDER *(EC), 274*
EasyTalk *(CI,EA), 130*
Eency-Weency Spider Game *(ES,TT), 593*
Emergency Call Alarm *(AS,CM,TR), 317*
Equalizer *(CI,DR,EA,PW,RE,TI,WP), 131*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
Exploring Early Vocabulary Series *(LS,LT,TT), 595*
EZ-TV Adapted Infrared Remote Control for Televisions *(EC), 276*
ezMorse for Windows *(TI), 388*
EZRA *(CI,CM,EC,PC), 277*
ezScan *(TI), 388*
Fast Food Game *(ES,TT), 596*
First Categories *(ES,LS,LT,TT), 599*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
Fundamental Concepts *(ES,TT), 606*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES,TT), 606*
Getting Clean with Herkimer Level I, II, III *(TT), 607*
GEWA Infra-Link Speaker-Telephone *(CI,EC,PC), 279*
Gewa Page Turner *(BP,EC), 280*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
HandiKEY and HandiKEY Deluxe *(KM), 342*
HandiPHONE *(CI,EC,PC), 281*
Help U Key *(TI), 394*
HomeAccess *(EC,PA), 283*
Human Being Machine *(RE,TT), 610*
HyperBliss 3.2 *(EA), 136*
I Can Play, Too! *(PA,RE,TR), 753*
I Can Speak *(CI,EA), 136*
Infrared Remote Control IRTI-I *(EC), 284*
Input Adapter *(IA), 456*
Instant Access *(TI), 397*
Intention Module *(TR), 44*
Interaction Games *(ES,GA,TR,TT), 613*
Interaction Games II *(ES,GA,TR,TT), 614*
Intercom (4392) *(CM,EC), 318*
Invertor Module *(AS,TR), 44*
Join the Circus *(AS,ES,TT), 616*
JOKUS Software *(ED,ES), 721*
K.C. & Clyde in Fly Ball *(ED,LS), 722*
Kincontrol (4105) *(EC), 284*
Latch Box *(TR), 45*
Learn to Scan *(AS,TR,TT), 620*
Learning the Alphabet *(ED,ES), 722*
Let's Go Shopping I and II *(ES,TT), 624*

Let's Go to the Circus *(LT,TT)*, 624
Liberator *(CI,CN,EA,EC,PW,TI)*, 137
Lighted Extra Loud Signalling Buzzer *(AS,CM,TR)*, 319
Lighted Signalling Buzzer *(AS,CM,TR)*, 319
Lighted Vibrating Signalling Buzzer *(AS,TR)*, 46
LightWRITER SL85 *(CI,EA)*, 139
LinkSwitch *(TR)*, 47
Listen With Your Ears *(GA,TT)*, 626
Lynx *(CI,EA,TR)*, 140
Mac PowerPad Interface for Single Switches *(IA)*, 459
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT,WP)*, 756
Make It In Time *(AS,ES,TT)*, 628
Me Too! *(PA)*, 757
MessageMate 20 *(CI,EA,TR)*, 141
MessageMate 40 *(CI,EA,TR)*, 142
Messenger *(CI,EA,TR)*, 142
Meta4 *(CI,EA)*, 143
Micro-LADS and Micro-LADS in French *(LT,TT)*, 634
Mini-Environmental Control (ECU) Box *(EC)*, 286
Mix 'N Match *(ES,TT)*, 636
Money Skills *(AD,CN,LS,TT)*, 637
Morse Code WSKE II *(TI)*, 418
Motor Training Games *(AS,GA,PA,RE,TT)*, 638
Motor Training Games *(GA,TR,TT)*, 638
Motorized Easel *(BP,EC)*, 286
MouseMover - PC Windows (5004) *(MT,TI)*, 421
Multi-SCAN *(GA,TR,TT)*, 639
Multi-Switch Module *(AS,TR)*, 47
MusicWare *(CN,ES,GA,LS,TT)*, 640
MusicWare - Age Appropriate *(ES,GA,TT)*, 641
New Frog & Fly *(TR,TT)*, 644
Next Page Page Turner (4600) *(BP,EC)*, 287
Nine Volt Battery Adapter Module *(TR)*, 49
Nintendo & Super Nintendo Joystick Module *(RE,TI)*, 425
On/Off Module *(TR)*, 49
On/Off Remote Switch *(EC)*, 288
One Access *(IA,TI)*, 427
One Switch Picasso *(DR,RE,TT)*, 648
PA-1 Portable Alarm *(CM)*, 321
Personal Pager *(CM)*, 323
Phone Manager *(EC,PA,PC)*, 288
PhoneAccess *(EC,PC)*, 289
Pick-A-Meal *(AD,GA,TT)*, 653
Pictalk *(CI,ES,TR,TT)*, 653
Pictures Programs: I, II and III *(CR,ES,LS,TT)*, 656
Press to Play *(ES,TR,TT)*, 660
Rabbit Scanner *(AS,ES,TT)*, 662
Reactions (R73) *(ES,TT)*, 663
ReadyScan *(CI,EA)*, 147
Remote Wireless Paging Alarm *(CM)*, 324
RevolvingDoors *(MT,TI)*, 437
Rhythm Generator *(AS,TR)*, 52
Rockets to the Moon *(ES,GA,TR,TT)*, 666
Round Clock Communicator *(CI,TR)*, 53
Run Rabbit Run *(AS,ES,TT)*, 666
Saltus Reader *(BP,EC)*, 292
Scan & Match 1, 2, 3, and 4 *(TR,TT)*, 667
Scan Com *(CI,EA,EC)*, 149
Scan It - Switch It *(TR,TT)*, 668
Scan-It-All *(CI,EA,EC)*, 149
ScanLite *(CI,TR)*, 53
Scanning Conversion Program, 550
Scanning Director *(EC)*, 293
Scanning Picasso *(DR,RE,TT)*, 668
Scanning Remote Control (SRC) *(EC)*, 294
Scanning WSKE II *(TI)*, 437
Scanning X-10 Powerhouse *(EC)*, 294
ScanPAC *(CI,CN,EA,EC,PW,TI)*, 150
Screamer Alarm *(CM)*, 324
SenSei System *(EC,PA,PC,TI,TL)*, 295
Sequential Scanner *(AS,CI,TR)*, 54
Series Adapter *(AS,TR)*, 54
Sharon's Programs *(ED,ES,LS)*, 726
Sight Words *(LS,TT)*, 672
Single Switch/MatchBox Pack 1 *(TT)*, 675
Single-Appliance Continuous Control Unit *(EC,TR)*, 296
Single-Switch Multi-Appliance Control Unit & Modules *(EC)*, 296
Single-Switch TV Control Unit *(EC)*, 297
Slide Projector Control *(EC,RE,TR)*, 55
SofType *(TA,TI)*, 440
Speaking Dynamically *(CI,EA)*, 152
Special Education Public Domain Software *(CR,ED,LS,TT)*, 677
SS-ACCESS! *(IA)*, 462
Steeper Communication/Teaching Aid *(AS,CI,TR)*, 56
Storytime Series *(AD,LP,TR,TT)*, 679
Storytime Series for Macintosh *(AD,LP,TR,TT)*, 679
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT,TT)*, 681
Switch Arcade *(GA,RE,TT)*, 682
Switch Art *(ES,TT)*, 683
Switch It - Change It *(ES,TT)*, 683
Switch It - See It *(ES,TT)*, 684
Switch Latch/Timer *(AS,TR)*, 57
Switch Module *(CI,EA,TR)*, 153
Switch Puzzles *(RE,TR,TT)*, 684
Switch-Adapted Mouse (SAM) *(MT,TI)*, 442
Switch-Back *(ID,TI)*, 443
Switchboard *(CI,EA)*, 154
SwitchEnsemble *(RE,TR,TT)*, 685
SwitchMouse *(MT,TI)*, 443
SynergyMac and SynergyPC *(CI,PW,TI)*, 444
Talk Back III *(CI,EA,TR)*, 155
TalkTime with Tucker *(ST,TT)*, 688
Teenage Switch Progressions *(TT)*, 689
Telephone Management System *(EC,PC)*, 300
Telling Time, Parts of the Face, Learning Colors *(ES,TT)*, 690
This Old Man *(CN,SI,TT)*, 691
Timer Module *(AS,EC,TR)*, 59
Touch Turner *(BP,EC)*, 301
Toy Adapter *(AS,TR)*, 59
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS,TR)*, 60
Toy Cables (4378, 4379) *(AS,TR)*, 60
Trace Beeper Box *(TR)*, 61
Training Aid 2 *(AS,EC,TR)*, 61
Trip to the Zoo *(GA,TT)*, 695
Tubular Vibrator *(TR)*, 62
TVRC and TVRCS *(EC)*, 301
Twenty Categories *(LS,LT,TT)*, 696
UKanDu Little Books *(LS,TT)*, 696
UKanDu Switches, Too! *(ES,TT)*, 697
Universal Input Adaptor *(IA)*, 464
Universal Module *(TR)*, 63
Versascan *(AS,CI,TR)*, 63
Vibrating Sack *(AS,TR)*, 64
Visual Motor Skills *(ES,TT)*, 701
Vocal Assistant *(CI,CM,EA)*, 159
VoicePal *(CI,EA,TR)*, 160
VoicePal Plus *(CI,EA,TR)*, 160
Where is Puff? *(ES,TT)*, 705
WhisperWolf *(CI,EA)*, 162
WinSCAN: Limited Edition *(IA)*, 464
Wireless TV & VCR Remote Controls *(EC)*, 306
Wish Writer *(PA,WP)*, 772
Words and Concepts I, II, III *(LS,LT,TT)*, 707
WriteAway *(PA,TA,WP)*, 774
X-10 Powerhouse System *(EC)*, 307

Input Type: Joystick/Wobblestick

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional)

Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT)*, 568
Community Signs *(AD,LS,LT,TT)*, 580
DA-II Adapter *(IA)*, 456
DARCI TOO *(TI)*, 382
Doors II *(TI)*, 382
DynaVox2 & DynaVox2c *(CI,EA)*, 129
Edmark Reading Program, Level 1 Software *(ED,ES,LS)*, 718
Electric Crayon and Electric Crayon Deluxe *(DR,PA,RE)*, 748

Employment Signs *(AD.LS.LT.TT). 594*
EvalPAC with RealVoice *(AS.CI.EA.EC.PW.TI). 131*
First Mate *(CR.TT). 600*
Foundations I *(CR.ES.TT). 604*
Foundations II *(CR.ES.TT). 604*
HandiPHONE *(CI.EC.PC). 281*
Information Signs *(AD.LS.LT.TT). 612*
Joystick Trainer *(TR.TT). 616*
LIAISON *(EC.KE.PC.TI). 407*
LipStick and WordWriter *(MT.TI). 408*
Memory I *(CR.ES.LS.TT). 632*
Memory II *(CR.ES.LS.TT). 633*
Meta4 *(CI.EA). 143*
Motorized Easel *(BP.EC). 286*
MouseStick II *(MT.TI). 422*
Mouth Operated Joystick for Genesis Video Game *(GA.RE.TI). 422*
Nintendo & Super Nintendo Joystick Module *(RE.TI). 425*
Numeric Concepts I and II *(LS.TT). 644*
One-Hand Operated Joystick for Genesis Video Game *(TI). 427*
Picture Perfect *(DR.PA.RE). 762*
Proportional Keystroke Scanner *(TI). 434*
Race the Clock *(GA.RE.TT). 662*
Safety Signs *(AD.LS.LT.TT). 667*
ScanPAC *(CI.CN.EA.EC.PW.TI). 150*
Survival Words *(AD.AS.LS.LT.TT). 681*
SwitchEnsemble *(RE.TR.TT). 685*
SynergyMac and SynergyPC *(CI.PW.TI). 444*
Transportation Signs *(AD.LS.LT.TT). 694*
Universal Input Adaptor *(IA). 464*
Visuospatial Skills I *(CR.TT). 702*
X-10 Home Control Interface *(EC). 306*

Input Type: Light Sensitive (Optical)

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

ActionVoice *(CI.EA.TR). 118*
EvalPAC with RealVoice *(AS.CI.EA.EC.PW.TI). 131*
Freedom Writer *(PA.WP). 752*
Laser Light Pointer *(PT). 21*
Light Activated Switch Panel *(CI.TR). 46*
Light Beam Indicator *(PT). 21*
Light Pointer *(PT). 22*
Light Pointer *(PT). 22*
LightBoard *(TI). 408*
Optimouse *(MT.TI). 428*
Vacuum Wand *(BP.PT). 26*
Viewpoint Optical Indicator *(PT). 26*

Input Type: Movement Activated

Systems that are controlled by some type of movement not necessarily involving pressure. Devices specifically requiring pressure to activate will be listed under Input Type: Pressure Sensitive, rather than here.

JANICE Model 100 Invalid Security Alert System *(CM). 318*
MICE *(MT.TI). 413*
Shadow Talker *(CI.EA.TR). 151*

Input Type: Noise (Sound or Vocalization)

Systems which are activated by a general sound.

Able-Phone 100WA *(EC.PC). 266*
Able-Phone 1900 and 2000 *(EC.PC). 266*
Personal Alert Receiver *(CM). 322*
Personal Pagers *(CM). 323*
Remote Control Speakerphone Model RC3000 *(EC.PC). 292*
TalkTime with Tucker *(ST.TT). 688*
TDD Detector *(TD). 192*
Watchman Master *(CM). 327*

Input Type: OCR (Optical Character Recognition)

Systems which can scan a printed text and determine what characters (letters, numbers, etc.) are on the page. This information can then be stored as a computer text file.

BookWise *(VS). 468*
IRIS Reading Interface 3.0 *(SV.TI). 399*
Open Book Unbound *(VS). 479*
OsCaR *(TI). 429*
Reading Edge *(TI). 435*

Input Type: Pressure Sensitive

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

ActionVoice *(CI.EA.TR). 118*
Activity Board *(AS.EC.TR). 30*
Adap2U *(MT.TI). 373*
Adaptive Firmware Card Model G32e *(IA.KE.KM.TI). 374*
Adult Switch Progressions *(TR.TT). 556*
AlertCom *(CM). 311*
AlphaTalker *(CI.EA.TI). 119*
Attainment Fifteen Talker *(CI.EA.TR). 119*
Attainment Five Talker & Talker Plus *(CI.EA.TR). 120*
Attainment Two Talker *(CI.EA.TR). 120*
Automatic Drapery Opener System *(EC). 269*
BAT Personal Keyboard *(TI). 377*
Bear Jam *(ES.TT). 561*
BEST Faces *(ES.TT). 562*
Big:Calc *(CN.LP.PA). 740*
BIGmack *(CI.EA.TR). 122*
BlackHawk *(CI.EA). 122*
Blocks in Motion *(DR.RE.TT). 563*
Bloorview Miniature Keyboard *(TI). 379*
Body Builder *(ES.TT). 564*
Bozons' Quest *(GA.LS.TT). 564*
BrailleAccess *(BR.BT). 509*
Breakthru Box *(TI). 379*
Buddy's Body *(AS.ES.TT). 566*
Build-A-Scene *(TT). 567*
Captain's Log: Cognitive Training System *(AS.CR.ES.LS.TT). 568*
CCT Environmental Control *(EC). 271*
Cheap Talk 4 & 8 *(CI.EA.TR). 124*
Children's Switch Progressions *(TT). 572*
Cirque GlidePoint Trackpads *(MT.TI). 380*
Cleo Communication Board *(CI.NA). 75*
Cogrehab Vol. 6 *(CR.LS.TT). 576*
Colorful Concept Software *(ES.TT). 578*
Communication Binder *(CI.NA). 76*
Communication Folder and Tri-Folder *(CI.NA). 78*
Communication Sheets *(CI.NA). 79*
Community Vehicles *(ES.TT). 580*
Companion 401 Communicator *(CI.CM.EA.TL.TR). 125*
CONCENTRATE! On Words & Concepts *(LS.LT.TT). 582*
Concept Keyboard *(TI). 381*
Controller *(EC). 272*
Core Picture Vocabulary *(CI.NA.TR). 80*
Creature Antics and Creature Capers *(GA.TR.TT). 584*
Creature Cartoons *(ES.GA.TT). 584*
Creature Chorus *(TR.TT). 585*
Creature Magic *(GA.LS.LT.RE.TT). 586*
Crespeaker *(CI.EA.TL). 125*
DA-II Adapter *(IA). 456*
Deductive Reasoning Plus for Windows *(CR.TT). 587*
DeltaTalker *(CI.EA). 127*
Duo-Responder *(CI.TR). 42*

DynaVox2 & DynaVox2c *(CI,EA). 129*
E-Z Call *(CM). 316*
E.A.S.I.dialer (2110) *(EC,PC). 274*
Early Learning 3.5/Complete Early Learning 5.25
    (ED,ES,LS,TT). 591
Early Learning III *(CN,ED,LS). 717*
EasyTalk *(CI,EA). 130*
Edmark Reading Program, Level 1 Software *(ED,ES,LS). 718*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI). 131*
Every Day Is A Holiday *(GA,RE,TT). 595*
Expanded Keyboard for Apple Macintosh and Apple IIGS *(TI). 385*
Expanded Keyboard for Automatic Telephone *(EC,PC). 276*
Expanded Keyboard for IBM Computers *(KG,TI). 385*
Expanded Keyboards for the Talking BlissApple *(KG,TI). 386*
Expanded Numeric Keypads *(TI). 386*
Exploring Early Vocabulary Series *(LS,LT,TT). 595*
EZ-TV Adapted Infrared Remote Control for Televisions *(EC). 276*
Family Fun *(AS,ES,TT). 596*
Feelings *(ES,TT). 597*
FingerFoniks *(CI,EA). 132*
First Step Software *(LT,TT). 600*
First Verbs and Primeros Verbos *(ES,LT,TT). 601*
First Words *(ES,LT,TT). 601*
First Words II *(ES,LT,TT). 602*
Fold It System *(CI,NA). 84*
Following Directions: One- and Two-Level Commands *(ES,TT). 602*
Following Directions: Left and Right *(ES,TT). 603*
Freedom Writer *(PA,WP). 752*
Getting Clean with Herkimer Level I, II, III *(TT). 607*
Hand Controls *(ID,TI). 392*
HandiCODE and HandiCODE Deluxe *(SV,TI). 393*
Handpointers *(PT). 19*
Hawk *(CI,EA,TR). 134*
HECS-1 *(EC,PC). 282*
Help Me to Help Myself Handbook *(CI,NA). 86*
Human Being Machine *(RE,TT). 610*
I Can Play, Too! *(PA,RE,TR). 753*
If You're Happy and You Know It *(ES,TT). 610*
Individualized Communication Systems *(CI,NA). 88*
IntelliKeys *(TI). 398*
JANICE Model 100 Invalid Security Alert System *(CM). 318*
Jouse *(MT,TI). 400*
K.C. & Clyde in Fly Ball *(ED,LS). 722*
Ke:nx *(KE,MT,TI). 402*
Keyboard Covers *(KM). 347*
Keypad (2425) *(AS,TR). 45*
Keyport 176 *(TI). 403*
Keyport 300 *(TI). 404*
Keyport 60 *(TI). 404*
King Keyboard (2440) *(TI). 405*
Let's Go to the Circus *(LT,TT). 624*
Liberator *(CI,CN,EA,EC,PW,TI). 137*
Life Experiences Communication Kit *(CI,NA). 89*
LightWRITER SL35 *(CI,EA). 138*
LightWRITER SL5 *(CI,EA). 138*
Listen With Your Ears *(GA,TT). 626*
Logo TouchTools for the PowerPad *(AS,ES,TT). 627*
Lynx *(CI,EA,TR). 140*
Macaw Series *(CI,EA). 140*
MacKing *(MT,TI). 409*
MacMini *(MT,TI). 410*
Macrat *(TI). 410*
Magic Wand Keyboard with McKey Mouse Option *(TI). 412*
Make It Scan *(AS,ES,TT). 629*
Maltron Keyboard *(TI). 412*
Me Too! *(PA). 757*
MegaWolf *(CI,EA). 141*
MessageMate 20 *(CI,EA,TR). 141*
MessageMate 40 *(CI,EA,TR). 142*
Meta4 *(CI,EA). 143*
Micro-LADS and Micro-LADS in French *(LT,TT). 634*
MicroIllustrator *(DR,PA,RE,TT). 758*
Mid-Sized Communication Book *(CI,NA). 91*
Mini Keyboard (2443 or 2450) *(TI). 416*
Mini-Keyboards *(TI). 416*
Mini-MessageMate *(CI,EA,TR). 144*
Minimal Motion Computer Access System *(TI). 417*
Money Skills *(AD,CN,LS,TT). 637*
Morsek Version 1.1 *(TI). 418*
MouseMover - Mac (5005) *(MT,TI). 420*
MousePen *(MT,TI). 421*
Muppet Learning Keys *(GA,ID,TI). 423*
Music Button *(TR). 48*
MusicWare - Age Appropriate *(ES,GA,TT). 641*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT). 641*
My Paint & Talking Coloring Books *(DR,ES,LT,TT). 642*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI). 425*
Object-Picture Talk Board *(CI,NA,TR). 94*
Old MacDonald's Farm I and II *(ES,LS,TT). 646*
OneStrk *(TI). 428*
Padded Food *(AS,ES,TT). 650*
Padded Vehicles *(ES,TT). 651*
Paper Dolls I and II *(AD,ES,TT). 651*
Parrot *(CI,EA,TR). 144*
Passport Kits *(CI,NA). 95*
PEACEbook *(CI,NA). 97*
Peg Switch *(TR). 50*
Pegasus *(CI,EA,EC). 145*
People Pager *(CM). 321*
Personal Pager *(CM). 323*
Personal Pagers *(CM). 323*
Personal Trainer *(CI,EA,TR). 145*
Picture Cue Dictionary *(AD,CI,LT,NA,TT). 654*
Pocket Picture Holder *(NA). 105*
Pocket-Sized and Double Pocket-Sized Communication Book
    (CI,NA). 105
Point to Pictures *(TR,TT). 657*
Porta Book *(CI,NA). 106*
PowerPad *(DR,RE,TI). 432*
PowerPad Starter Kit *(TI). 432*
Quad Talk *(AS,CI,TR). 52*
R.A.P.S. Software Series I PowerPad *(TT). 661*
RC5000 Radio Home Control System *(CM,EC). 291*
RELAX (8200) *(EC). 291*
Remote Keyboard for the Apple II+ and IIe *(DR,TI). 436*
Remote Wireless Paging Alarm *(CM). 324*
Say-It-All II Plus *(CI,EA,KG,PW). 148*
Say-It-Simply Plus *(CI,EA,TR). 148*
Scan It - Switch It *(TR,TT). 668*
ScreenDoors *(TI). 438*
Scribe *(CI,EA,KG,PW). 150*
Self-Talk Stickers *(CI,NA). 107*
Serial Trackball and PS/2 Trackball *(MT,TI). 439*
Signal Buzzer *(AS,CM,TR). 325*
Silly Sandwich *(ES,TT). 673*
SimpleCom I: Yes/No Communication *(CI,TR,TT). 674*
SimpleCom II: Needs/Wants Communication *(CI,TR,TT). 674*
Single-Appliance Continuous Control Unit *(EC,TR). 296*
Son of Seek and Find *(GA,TT). 676*
Speaking Dynamically *(CI,EA). 152*
Special Education Public Domain Software *(CR,ED,LS,TT). 677*
Specialist *(CI,EA,NA,TR). 153*
Spell-A-Word & 2+2 *(CN,ED,LS). 727*
Storytime Series *(AD,LP,TR,TT). 679*
Storytime Series for Macintosh *(AD,LP,TR,TT). 679*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT,TT). 681*
Switch Modified PowerPad *(TI). 442*
SwitchEnsemble *(RE,TR,TT). 685*
System 2000 *(CI,EA). 154*
Talk Back III *(CI,EA,TR). 155*
Talk Back VI *(CI,EA,TR). 155*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT). 686*
Talking Pictures Communication Board *(CI,NA). 109*
Talking Pictures, Kits I - VII *(CI,NA,SI). 109*
Talking Switch Plates *(CI,EA,TR). 157*
Talking Touch Window *(AS,CI,TR,TT). 687*
Tea Party *(ES,TT). 688*
Teenage Switch Progressions *(TT). 689*
THINKable/DOS *(CR,TT). 690*
This is the Way We Wash Our Face *(ES,TR,TT). 691*

This Old Man *(CN,SI,TT), 691*
Timekeeper *(AD,TT), 692*
Touch 'N Talk Communication Board *(CI,NA), 110*
Touch 'N Talk Communication Notebook *(CI,NA), 110*
Touch 'N Talk Micros *(CI,NA), 111*
Touch and Match *(ES,TT), 692*
Touch and See *(ES,TT), 693*
TouchMoney *(AD,CN,TT,VO), 693*
TouchWindow *(DR,DS,ID,RE,TI,WP), 444*
Tri-Responder *(AS,TR), 62*
Trip to the Zoo *(GA,TT), 695*
TS2010X Text to Speech Personal Communicating Device *(CI,EA), 158*
UKanDu Little Books *(LS,TT), 696*
UKanDu Switches, Too! *(ES,TT), 697*
Ultra 4 Remote System & Scanning Ultra 4 *(EC), 302*
Universal Control System with Tongue Touch Keypad *(EC,PC), 303*
URC-400 Series Universal Remote Control *(EC), 305*
VoiceBachs *(CI,EA,SS), 159*
VoicePal *(CI,EA,TR), 160*
VoicePal Plus *(CI,EA,TR), 160*
VOIS 160 *(CI,EA), 161*
WalkerTalker *(CI,EA), 161*
Wheels On The Bus I, II, III *(ES,TR,TT), 704*
WhisperWolf *(CI,EA), 162*
WinKing Keyboard (2448F, 2448Q) *(TI), 449*
Wireless TV & VCR Remote Controls *(EC), 306*
Words and Concepts I, II, III *(LS,LT,TT), 707*
Worm Squirm *(ES,TR,TT), 708*
Yak Bak *(CI,EA,TR), 162*
Zoo Time *(ES,TT), 709*

Input Type: Speech Recognition

Systems that can recognize specific spoken words or phrases, and accept them as input.

Access-I *(CI,PW,TI), 373*
Butler-in-a-Box *(EC,PC,TI), 270*
Controller *(EC), 272*
DragonDictate Starter, Classic, and Power Editions *(TI), 383*
HAL (Home Automation Link) *(EC,PC,TI), 392*
HandiPHONE *(CI,EC,PC), 281*
HomeAccess *(EC,PA), 283*
IN-CUBE Voice Command for SPARC Stations *(TI), 396*
IN-CUBE Voice Command for Windows, NT *(RS,TI), 397*
IntroVoice V *(TI), 398*
IntroVoice VI *(SS,TI), 399*
JustVoice *(TI), 401*
Kurzweil VOICE *(TI), 406*
Kurzweil VOICE for Windows *(TI), 406*
Listen for Windows *(ID,TI), 409*
Magnum *(BR,PW,TI,VS), 477*
Mastervoice Environmental Control Single User Unit *(EC,PC), 285*
Micro IntroVoice *(SS,TI), 413*
Micro IntroVoice II *(SS,TI), 414*
Microsoft Windows Sound System *(TI), 415*
OfficeTALK for Windows *(TI), 426*
PhoneAccess *(EC,PC), 289*
Picture Scanner *(TR,TT), 655*
PowerSecretary *(TI,WP), 433*
Pre-Dict-ate *(TI), 433*
Readable Stories Series *(ED,LS), 724*
Sapura S2000 CL *(EC,PC), 293*
ScottBridge Speech Access System *(TI), 438*
Simplicity Series ECUs *(EC,PC), 295*
Sound Scope *(ST,TT), 677*
Speak Out VOILA *(LP,MG,SV,TI,VS), 440*
Speech Recognition Systems *(TI), 441*
SpeechViewer II *(ST,TT), 678*
TeleDesk Visually Impaired Operator Console *(PA,PC,SV,TL), 767*
Video Voice Speech Training System *(ST,TT), 699*
Visi-Pitch Model 3300 *(ST,TT), 700*
Voice Math *(CN,ED), 731*
Voice Mouse/Keyboard (VMK) Controller *(TI), 448*
Voice Reading Ability Drill *(ED,LS), 732*
Voice User *(RS,TI), 449*

Input Type: Wireless

Systems having a wireless connection between two of its components.

Automatic Drapery Opener System *(EC), 269*
Beep-in-Touch *(CM), 312*
Cord-Mate *(CM), 315*
DEUCE *(EC,PC), 273*
EZRA *(CI,CM,EC,PC), 277*
First Aide Kit *(CM,EC,PC), 278*
FreeSwitch *(EC), 279*
GEWA Infra-Link Speaker-Telephone *(CI,EC,PC), 279*
GEWA Infra-Link System *(EC,PC), 280*
HeadMouse *(DR,MT,TI), 394*
In & Out Automatic Door Controller *(EC), 283*
Infrared Remote Control IRTI-I *(EC), 284*
On/Off Remote Switch *(EC), 288*
Personal Pager *(CM), 322*
Personal Pagers *(CM), 323*
Single-Appliance Continuous Control Unit *(EC,TR), 296*
Sound Advice System *(CM), 326*
Synergy Integrated Remote *(EC,PA), 298*
Ultra 4 Remote System & Scanning Ultra 4 *(EC), 302*
Universal Television Remote Control *(EC), 304*
Voice Amplificaider *(CI,SA,VA), 11*
Wireless Personal Pager *(CM), 328*

Output/Display: Braille Printer

Software or hardware that can drive a braille printer, or a braille printer itself.

Auto Braille *(BR,PA), 738*
BEX 3.1 *(BR,LP,PA,SV,WP), 739*
Braille Blazer *(BP,BR,BT), 507*
Braille BookMaker and Braille Express 100 & 500 *(BR,BT), 508*
Braille-Talk *(BR,PA,SV), 742*
Braillo 200 *(BP,BR,BT), 510*
Braillo 400 S *(BP,BR,BT), 510*
Braillo Comet *(BP,BR,BT), 511*
Checkbook Program *(BR,CN,PA,SV), 744*
Duxbury Braille Board for Microsoft Windows *(BR,PA), 745*
Duxbury Braille Font *(PA), 746*
Duxbury Braille Translator (DBT) *(BR,PA), 746*
Duxbury Braille Translator for WordPerfect (DUXWP) *(BR,PA), 747*
Edgar *(BR,PA), 748*
ETgraphX *(BR,DR,PA), 749*
Index Everest-D *(BR,BT), 513*
InfoTouch *(BR,BT,CI,PC,TD,TL), 182*
Juliet Brailler *(BR,BT), 514*
Marathon Brailler *(BR,BT), 515*
MicroBraille 2 *(BR,PA,WP), 758*
Mountbatten Brailler *(BR,BT,PW), 516*
Ohtsuki BT-5000 Braille/Print Printer *(BR,BT), 517*
PC Braille *(BR,PA), 761*
Ransley Braille Interface (RBI) *(BR,BT), 519*
Romeo Brailler Model RB-25 *(BR,BT), 520*
Romeo Brailler Model RB-40 *(BR,BT), 520*
TeleBraille III *(CI,PC,TD,TL), 193*
Thomas Brailler *(BR,BT), 521*
TurboBraille *(BR,PA), 769*
VersaPoint-40 Braille Embosser *(BR,BT), 522*
Work-Station Pro *(PA), 773*

Output/Display: Deaf Baudot (for TDD's)

Devices that use Baudot code, the code traditionally sent and received by TDDs (Telecommunication Devices for the Deaf). Some TDDs also send and receive ASCII code (a standard computer code).

Atlantic 144 TTY *(TD)*, *179*
Compact TTY *(TD)*, *180*
Dialogue TTYs *(CI,PC,TD,TL)*, *180*
InfoTouch *(BR,BT,CI,PC,TD,TL)*, *182*
Intele-Modem *(CI,TD,TL)*, *182*
Lite Touch Telephone Communicator *(BR,PC,TD,TL)*, *183*
MIC300i Computer Modem *(PC,TD,TL)*, *184*
Minicom IV *(CI,PW,TD,TL)*, *184*
Miniprint 425 *(CI,PC,TD,TL)*, *185*
Multi-Line Dial-A-News System *(PA,TD,TL)*, *759*
NexCom 300vi & 300ve *(TD)*, *185*
Pay Phone TTY *(CI,PC,TD,TL)*, *186*
Personal Communication Terminal (PCT) *(CI,TD,TL)*, *186*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD,TL)*, *187*
SIDD (Software Interface for the Deaf and Disabled)
  (CI,TD,TL), *189*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD,TL)*, *189*
Superprint 100, 200, 400 *(CI,PC,TD,TL)*, *190*
Superprint 4425 *(CI,PC,TD,TL)*, *191*
Superprint ES TTY *(CI,PC,TD,TL)*, *191*
TDD 2700, 2730, and 2830 *(CI,PC,TD,TL)*, *192*
TDD Detector *(TD)*, *192*
TDD Trainer System *(CI,TD,TR)*, *58*
TeleBraille III *(CI,PC,TD,TL)*, *193*
UltraSilent *(PC,TD)*, *194*
Uniphone 1000 *(TD)*, *195*
VCS 3500 with TDD Software *(CI,TD,TL)*, *196*

Output/Display: Ideographic/Pictographic Symbols

Products that can print or display pictograph-based messages.

DynaVox2 & DynaVox2c *(CI,EA)*, *129*

Output/Display: Large Print

Products whose output can be printed or displayed in large characters.

Aurora 2.0 for DOS *(CI,EA,LP,TA,TI,WP)*, *376*
B-Edit *(LP,PA,TA,WP)*, *738*
B-Pop *(MG)*, *493*
Beamscope *(LP,MG)*, *494*
BEX 3.1 *(BR,LP,PA,SV,WP)*, *739*
BIG for 1-2-3 *(DS,LP,PA)*, *739*
BIG for WordPerfect *(LP,PA)*, *740*
Calc-Talk *(CN,LP,PA,SV)*, *743*
CloseView *(LP,MG)*, *495*
Compu-Lenz *(LP,MG)*, *495*
Eye Relief *(LP,PA,WP)*, *750*
Gizmo *(LP,SV,VS)*, *473*
inLARGE 2.0 *(LP,MG)*, *496*
Language Master Special Edition - LM6000SE
  (LP,LS,PA,SV,TT,VS), *477*
Large Print Word Processors *(LP,PA,WP)*, *755*
Large-Type Display Utility Software *(LP,MG)*, *497*
MAGic and MAGic Deluxe *(LP,MG)*, *498*
Magic Slate II *(LP,LS,PA,TT,WP)*, *756*
Magnum Deluxe *(MG)*, *499*
Magnum GT *(LP,MG)*, *499*
MegaDots *(BR,LP,PA)*, *757*
Optacon II *(BT,LP)*, *518*
Panorama *(LP,MG)*, *500*
Powerama *(LP,MG)*, *501*
Screen Magnifier/2 *(LP,MG)*, *501*
Sharon's Programs *(ED,ES,LS)*, *726*
Speak Out VOILA *(LP,MG,SV,TI,VS)*, *440*
Spell-A-Word & 2+2 *(CN,ED,LS)*, *727*
Spin and Spell *(ED,LS)*, *729*
Talking Data Acquisition System Software *(PA)*, *765*
Talking Writer & Four Games *(KB,LP,PA,SV,TT,WP)*, *766*
VisAbility *(LP,PA)*, *771*
Vista *(LP,MG)*, *502*
Write *(CI,ED,LS,SV)*, *733*
WriteAway *(PA,TA,WP)*, *774*
ZoomText 5 *(LP,MG)*, *503*

Output/Display: Modem (ASCII)

Products that can send serial ASCII code over telephone lines if used with a modem.

ASCII-TDD Software *(CI,TD,TL)*, *179*
Braille-Term Program *(PA,TL)*, *742*
HandiPHONE *(CI,EC,PC)*, *281*
InfoTouch *(BR,BT,CI,PC,TD,TL)*, *182*
Intele-Modem *(CI,TD,TL)*, *182*
MIC300i Computer Modem *(PC,TD,TL)*, *184*
NexCom 300vi & 300ve *(TD)*, *185*
Personal Communication Terminal (PCT) *(CI,TD,TL)*, *186*
SIDD (Software Interface for the Deaf and Disabled)
  (CI,TD,TL), *189*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD,TL)*, *189*
Superprint 100, 200, 400 *(CI,PC,TD,TL)*, *190*
Superprint 4425 *(CI,PC,TD,TL)*, *191*
Superprint ES TTY *(CI,PC,TD,TL)*, *191*
TeleBraille III *(CI,PC,TD,TL)*, *193*

Output/Display: Speech Output

Products that provide synthesized or digitized speech output, either by themselves or in conjunction with a speech synthesizer or digitizer.

Able2Speak *(EA)*, *117*
Accent-MC *(SS)*, *525*
Accent-PC *(SS)*, *525*
Accent-SA *(SS)*, *526*
ActionVoice *(CI,EA,TR)*, *118*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI)*, *374*
Adult Switch Progressions *(TR,TT)*, *556*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT,TT)*, *557*
AlphaTalker *(CI,EA,TI)*, *119*
APH Scientific Calculator: for Apple II Computers *(CN,PA,SV)*, *737*
APH/SEI Talking Software *(ED,LS,SV)*, *713*
Apple IIGS Owner's Guide: Disk Edition, *542*
AppleWorks Manuals: Special Editions *(SV)*, *542*
Arithmetic 1, 2, and 3 with Speech *(CN,ED,LS,SV)*, *714*
Artic TransBook *(PW,VS)*, *467*
Artic TransPort *(SS,SV)*, *526*
Artic TransType *(PW,SV,VS)*, *467*
Attainment Fifteen Talker *(CI,EA,TR)*, *119*
Attainment Five Talker & Talker Plus *(CI,EA,TR)*, *120*
Attainment Two Talker *(CI,EA,TR)*, *120*
Audapter Speech System *(SS)*, *527*
Audible Cursor Routine *(CI,EA,PA,TR)*, *121*
Audio Braille Game Tutorial *(BR,GA,RE,TT)*, *560*
AudScan II *(CI,EA)*, *121*
Aurora 2.0 for DOS *(CI,EA,LP,TA,TI,WP)*, *376*
Aurora for Windows *(KM,TA,TI,WP)*, *333*
Basic Learning Skills Courseware *(CN,ED,LS)*, *714*
Bear Jam *(ES,TT)*, *561*
BEX 3.1 *(BR,LP,PA,SV,WP)*, *739*
Big/Little I and II *(ES,TT)*, *562*
Big:Calc *(CN,LP,PA)*, *740*
BIGmack *(CI,EA,TR)*, *122*
BlackHawk *(CI,EA)*, *122*
BookWise *(LS)*, *468*

Braille 'n Speak *(BR,PW,SS,SV,TI,VS)*. *469*
Braille 'n Speak Classic *(BR,CN,PA,SV,VS,WP)*. *469*
Braille Lite *(BR,BT,CN,PW,SV,VS)*. *470*
Braille-Talk *(BR,PA,SV)*. *742*
Buddy's Body *(AS,ES,TT)*. *566*
Business Vision *(SV,VS)*. *471*
Butler-in-a-Box *(EC,PC,TI)*. *270*
Calc-Talk *(CN,LP,PA,SV)*. *743*
Calcworthy *(CN,PA,SV)*. *743*
CallText 5000 *(PC,SS)*. *527*
Canon Communicator CC-7S and CC-7P *(CI,EA)*. *123*
CanSpeak *(CI,LT,TT)*. *568*
CarryCom *(CI,EA)*. *123*
Cheap Talk 4 & 8 *(CI,EA,TR)*. *124*
Checkbook Program *(BR,CN,PA,SV)*. *744*
Children's Switch Progressions *(TT)*. *572*
COINSNKEYS *(CN,ES,KB,TT)*. *577*
Color Find *(ES,TT)*. *578*
Colorful Concept Software *(ES,TT)*. *578*
Communication Icon Galleries CD-ROM *(NA,SS)*. *78*
Communication Programs *(CI,EA,EC,TR)*. *124*
Community Signs *(AD,LS,LT,TT)*. *580*
Community Vehicles *(ES,TT)*. *580*
Companion 401 Communicator *(CI,CM,EA,TL,TR)*. *125*
CONCENTRATE! On Words & Concepts *(LS,LT,TT)*. *582*
Core Reading and Vocabulary Development *(ED,LS,LT,TT)*. *583*
Creature Antics and Creature Capers *(GA,TR,TT)*. *584*
Creature Cartoons *(ES,GA,TT)*. *584*
Creature Chorus *(TR,TT)*. *585*
Creature Features *(TR,TT)*. *585*
Creature Magic *(GA,LS,LT,RE,TT)*. *586*
Crespeaker *(CI,EA,TL)*. *125*
DAC *(CI,EA,SS)*. *126*
DECtalk *(SS)*. *528*
DECtalk PC & DECtalk Express *(SS)*. *528*
DeltaTalker *(CI,EA)*. *127*
Denrick Speech Aid *(AL,SA)*. *4*
DigiTalk 1 *(CI,EA,TR,TT)*. *127*
DigiVox *(CI,EA)*. *128*
Dinosaur Game *(ES,GA,TR,TT)*. *589*
DJ ProPack Speech Module *(SS)*. *529*
Doors II *(TI)*. *382*
DynaVox2 & DynaVox2c *(CI,EA)*. *129*
Early and Advanced Switch Games *(TT)*. *590*
Early Concepts *(ES,TT)*. *590*
Early Learning 3.5/Complete Early Learning 5.25
    (ED,ES,LS,TT). *591*
Early Learning I *(ES,TT)*. *592*
Early Learning II *(CN,ED,ES)*. *717*
Early Learning III *(CN,ED,LS)*. *717*
EasyTalk *(CI,EA)*. *130*
Echo II *(SS)*. *529*
Echo II with Textalker & Echo II with Textalker-GS *(SS,VS)*. *472*
Echo LC *(SS)*. *530*
Echo PCII *(SS)*. *530*
Echo-PC *(SS)*. *531*
Edmark Reading Program, Level 1 Software *(ED,ES,LS)*. *718*
Eency-Weency Spider Game *(ES,TT)*. *593*
Elementary Volume 1 - Mathematics *(CN,ED,LS,SV)*. *718*
Employment Signs *(AD,LS,LT,TT)*. *594*
Equalizer *(CI,DR,EA,PW,RE,TI,WP)*. *131*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI)*. *131*
Expanded Keyboard Emulator *(KM,TA)*. *340*
Exploring Early Vocabulary Series *(LS,LT,TT)*. *595*
Eyegaze Computer System *(EA,EC,PC,TI)*. *132*
Family Fun *(AS,ES,TT)*. *596*
Fast Food Game *(ES,TT)*. *596*
Feelings *(ES,TT)*. *597*
File-Talk *(DS,PA,SV)*. *750*
FingerFoniks *(CI,EA)*. *132*
First Categories *(ES,LS,LT,TT)*. *599*
First Step Software *(LT,TT)*. *600*
First Verbs and Primeros Verbos *(ES,LT,TT)*. *601*
First Words *(ES,LT,TT)*. *601*
First Words II *(ES,LT,TT)*. *602*
Focus on Facts *(ED,SV)*. *719*
Focus on Nations *(ED,SV)*. *720*
Following Directions: One- and Two-Level Commands *(ES,TT)*. *602*
Following Directions: Left and Right *(ES,TT)*. *603*
Food Facts *(AD,SV,TT)*. *603*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES,TT)*. *606*
Gizmo *(LP,SV,VS)*. *473*
Gus! Multimedia Speech System *(CI,EA,KM,TI)*. *133*
HandiCHAT and HandiCHAT Deluxe *(SV,VS)*. *473*
HandiCODE and HandiCODE Deluxe *(SV,TI)*. *393*
Handy Speech Communication Aide *(CI,EA,SS)*. *134*
Hawk *(CI,EA,TR)*. *134*
Help U Key *(TI)*. *394*
Help U Keyboard *(TI)*. *395*
Help U Type and Speak *(CI,EA,KM)*. *135*
I Can Play, Too! *(PA,RE,TR)*. *753*
I Can Speak *(CI,EA)*. *136*
IBM Screen Reader/2 *(SV,VS)*. *474*
IBM Screen Reader/DOS *(SV,VS)*. *474*
If You're Happy and You Know It *(ES,TT)*. *610*
Index Everest-D *(BR,BT)*. *513*
Information Signs *(AD,LS,LT,TT)*. *612*
Infovox 210 *(SV,VS)*. *475*
Infovox 500, 700 & 750 *(SS)*. *531*
IntelliTalk *(CI,EA,PA)*. *137*
Interaction Games *(ES,GA,TR,TT)*. *613*
Interaction Games II *(ES,GA,TR,TT)*. *614*
IntroVoice VI *(SS,TI)*. *399*
IRIS Reading Interface 3.0 *(SV,TI)*. *399*
JAWS for Windows *(SV,VS)*. *475*
JAWS Screenreader *(SV,VS)*. *476*
Joystick Trainer *(TR,TT)*. *616*
Keyboarding Program with Voice Output *(KB,TT)*. *618*
Keynote Companion *(CN,SV,TL,VS,WP)*. *476*
Keynote GOLD *(SS)*. *532*
Keys to Success: Comp. Keybd. Skills for Blind Children
    (KB,SV,TT). *619*
Keysoft *(CN,PA,SV,WP)*. *754*
Keyterm *(PA,SV,TL)*. *754*
Language Master Special Edition - LM6000SE
    (LP,LS,PA,SV,TT,VS). *477*
Laser Optic Keyboard *(CI,TI)*. *407*
Learning the Alphabet *(ED,ES)*. *722*
Learning to Spell Braille Signs *(BR,TT)*. *623*
Let's Go Shopping I and II *(ES,TT)*. *624*
Let's Go to the Circus *(LT,TT)*. *624*
Letter Find *(CN,ES,KB,SV,TT)*. *625*
LetterTALK+ *(SV,TT,WP)*. *625*
Liberator *(CI,CN,EA,EC,PW,TI)*. *137*
LightWRITER SL85 *(CI,EA)*. *139*
Lingraphica *(CI,CR,EA,PA)*. *139*
Listen and Spell *(ED,LS)*. *723*
Lite Talk *(SS)*. *532*
Logo TouchTools for the PowerPad *(AS,ES,TT)*. *627*
Lynx *(CI,EA,TR)*. *140*
Macaw Series *(CI,EA)*. *140*
Magnum *(BR,PW,TI,VS)*. *477*
MasterTOUCH *(BT,SV)*. *515*
Maze *(GA,RE,TT)*. *631*
MegaWolf *(CI,EA)*. *141*
MessageMate 20 *(CI,EA,TR)*. *141*
MessageMate 40 *(CI,EA,TR)*. *142*
Messenger *(CI,EA,TR)*. *142*
Messenger-IC *(SS,SV)*. *533*
Meta4 *(CI,EA)*. *143*
Micro IntroVoice *(SS,TI)*. *413*
Micro IntroVoice II *(SS,TI)*. *414*
Micro-LADS and Micro-LADS in French *(LT,TT)*. *634*
Mini Talking Card Reader *(CI,EA,TR)*. *143*
Mini Transport II *(SS)*. *533*
Mini-MessageMate *(CI,EA,TR)*. *144*
Mix 'N Match *(ES,TT)*. *636*
Money Skills *(AD,CN,LS,TT)*. *637*
MultiVoice *(SS)*. *534*
My Paint & Talking Coloring Books *(DR,ES,LT,TT)*. *642*

Myna *(BR,PW,SV,VS)*, *478*
NOMAD Talking Touch Pad & NOMAD Gold *(BT,SV)*, *516*
Noteworthy *(PA,WP)*, *760*
Nu-Vois *(AL,SA)*, *7*
Old MacDonald's Farm I and II *(ES,LS,TT)*, *646*
On the Job Series - Career Interests *(TT,VO)*, *646*
outSPOKEN 1.7 *(SV,VS)*, *479*
outSPOKEN for Windows *(SV,VS)*, *480*
Padded Food *(AS,ES,TT)*, *650*
Padded Vehicles *(ES,TT)*, *651*
Paper Dolls I and II *(AD,ES,TT)*, *651*
Parrot *(CI,EA,TR)*, *144*
PC Typer *(KB,TT)*, *652*
PCMaster & Windows Master *(BR,IA,SV,VS)*, *460*
Pegasus *(CI,EA,EC)*, *145*
Personal Trainer *(CI,EA,TR)*, *145*
Phone Manager *(EC,PA,PC)*, *288*
Pictalk *(CI,ES,TR,TT)*, *653*
Picture Cue Dictionary *(AD,CI,LT,NA,TT)*, *654*
Picture Scanner *(TR,TT)*, *655*
Point to Pictures *(TR,TT)*, *657*
Prefixes *(ED,LS,SV)*, *723*
Press to Play *(ES,TR,TT)*, *660*
Program for Aphasics *(CR,ED,LS)*, *724*
Protalk23 for Windows *(SV,VS)*, *480*
PROVOX *(SV,VS)*, *481*
R.A.P.S. Software Series I PowerPad *(TT)*, *661*
Readable Stories Series *(ED,LS)*, *724*
Reading Edge *(TI)*, *435*
Reading Horizons *(ED,ES)*, *725*
RealVoice *(AS,CI,EA,EC,PW,TI)*, *147*
Rockets to the Moon *(ES,GA,TR,TT)*, *666*
Safety Signs *(AD,LS,LT,TT)*, *667*
Say-It-All II Plus *(CI,EA,KG,PW)*, *148*
Say-It-Simply Plus *(CI,EA,TR)*, *148*
Scan-It-All *(CI,EA,EC)*, *149*
ScanPAC *(CI,CN,EA,EC,PW,TI)*, *150*
ScanTELL *(VS)*, *482*
ScreenPower *(SV,VS)*, *482*
ScreenPower for Windows *(SV,VS)*, *483*
Seekline *(SV,VS)*, *483*
Sensible Speller: Talking APH Edition *(ED,LS,SV)*, *725*
Shadow Talker *(CI,EA,TR)*, *151*
Sight Word Spelling *(ED,LS,SV)*, *726*
Sight Words *(LS,TT)*, *672*
Silly Sandwich *(ES,TT)*, *673*
SimpleCom I: Yes/No Communication *(CI,TR,TT)*, *674*
SimpleCom II: Needs/Wants Communication *(CI,TR,TT)*, *674*
Slimware *(SV,VS)*, *484*
Slimware Window Bridge *(SV,VS)*, *484*
SmarTalk *(SS)*, *534*
Sounding Board *(SS)*, *535*
SoundProof *(SV,VS)*, *485*
Speak Out VOILA *(LP,MG,SV,TI,VS)*, *440*
Speak-Out *(SS)*, *535*
Speaking Dynamically *(CI,EA)*, *152*
Speaking Speller *(ED,LS,SV)*, *727*
Speaqualizer Speech Access System *(SV,VS)*, *485*
Special Education Public Domain Software *(CR,ED,LS,TT)*, *677*
Specialist *(CI,EA,NA,TR)*, *153*
Spell-A-Word & 2+2 *(CN,ED,LS)*, *727*
Spell-Talk *(ED,LS,SV)*, *728*
Spelling Tutor *(ED,LS)*, *728*
SPELLIST *(ED,LS)*, *729*
Storytime Series *(AD,LP,TR,TT)*, *679*
Storytime Series for Macintosh *(AD,LP,TR,TT)*, *679*
Study Buddy *(ED)*, *730*
Survival Words *(AD,AS,LS,LT,TT)*, *681*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT,TT)*, *681*
Switch It - Change It *(ES,TT)*, *683*
Switch It - See It *(ES,TT)*, *684*
Switch Module *(CI,EA,TR)*, *153*
SynergyMac and SynergyPC *(CI,PW,TI)*, *444*
SynPhonix 210 and 215 *(IA,SS)*, *536*
SynPhonix 310 and 315 *(SS)*, *536*
SynPhonix P27 *(SS)*, *537*
System 2000 *(CI,EA)*, *154*
Talk Back III *(CI,EA,TR)*, *155*
Talk Back VI *(CI,EA,TR)*, *155*
Talk:About *(CI,EA)*, *156*
Talking Data Acquisition System Software *(PA)*, *765*
Talking Literacy Kit for the Apple IIe (TALK IIe)
  (GA,KB,TT,WP), *686*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT)*, *686*
Talking Public Domain Disks *(ED,LS,SV,TT,VO)*, *730*
Talking Riddles *(ED,LS,SV)*, *731*
Talking Screen *(CI,EA,PA)*, *156*
Talking Screen for Windows *(CI,EA,PA)*, *157*
Talking Sensible Speller *(PA,SV)*, *765*
Talking Switch Plates *(CI,EA,TR)*, *157*
Talking Touch Window *(AS,CI,TR,TT)*, *687*
Talking Typer *(KB,SV,TT)*, *687*
Talking Utilities for DOS 3.3 *(PA,SV)*, *766*
Talking Utilities for ProDOS, *551*
Talking Writer & Four Games *(KB,LP,PA,SV,TT,WP)*, *766*
TalkTime with Tucker *(ST,TT)*, *688*
TDD Detector *(TD)*, *192*
Tea Party *(ES,TT)*, *688*
TeleDesk Visually Impaired Operator Console *(PA,PC,SV,TL)*, *767*
Telling Time, Parts of the Face, Learning Colors *(ES,TT)*, *690*
Term-Talk *(PA,SV)*, *768*
TEXTALKER *(BT,SV)*, *521*
Textalker-GS *(VS)*, *486*
THINKable/DOS *(CR,TT)*, *690*
This is the Way We Wash Our Face *(ES,TR,TT)*, *691*
Transportation Signs *(AD,LS,LT,TT)*, *694*
TS2010X Text to Speech Personal Communicating Device
  (CI,EA), *158*
Twenty Categories *(LS,LT,TT)*, *696*
Type 'n Speak *(PW,SV,VS)*, *487*
UKanDu Little Books *(LS,TT)*, *696*
UKanDu Switches, Too! *(ES,TT)*, *697*
Vocal Assistant *(CI,CM,EA)*, *159*
Vocal-Eyes *(SV,VS)*, *487*
VocaLite *(SS)*, *537*
Voice Math *(CN,ED)*, *731*
Voice Reading Ability Drill *(ED,LS)*, *732*
VoiceBachs *(CI,EA,SS)*, *159*
VoiceMate, SwitchMate, ScanMate (2701-2708) *(TR)*, *64*
VoicePal *(CI,EA,TR)*, *160*
VOIS 160 *(CI,EA)*, *161*
WalkerTalker *(CI,EA)*, *161*
Wheels On The Bus I, II, III *(ES,TR,TT)*, *704*
Where is Puff? *(ES,TT)*, *705*
WhisperWolf *(CI,EA)*, *162*
Win Vision *(SV,VS)*, *488*
Window-Eyes *(SV,VS)*, *488*
WINKLiNE *(SV,VS)*, *489*
WiVox *(PA,WP)*, *772*
Word-Talk *(PA,SV,WP)*, *773*
Words and Concepts I, II, III *(LS,LT,TT)*, *707*
WordScholar *(SV,VS)*, *489*
WordWise Software *(LT,TT)*, *708*
Work-Station Pro *(PA)*, *773*
Worm Squirm *(ES,TR,TT)*, *708*
Write *(CI,ED,LS,SV)*, *733*
Write:OutLoud *(PA,WP)*, *774*
WriteAway *(PA,TA,WP)*, *774*
Yak Bak *(CI,EA,TR)*, *162*
Zoo Time *(ES,TT)*, *709*

Output/Display: Tactile/Braille Display (Dynamic)

Products that provide changing tactile output. The most common form is a dynamic (refreshable) braille display, which has small pins that raise and lower electronically to form braille characters.

ALVA Braille Terminals *(BR,BT)*, *507*
Braille Lite *(BR,BT,CN,PW,SV,VS)*, *470*
BrailleAccess *(BR,BT)*, *509*
DM80/FM *(BR,BT,TI)*, *511*
InfoTouch *(BR,BT,CI,PC,TD,TL)*, *182*
INKA *(BT)*, *513*
KTS Braille Display *(BR,BT)*, *514*
Lite Touch Telephone Communicator *(BR,PC,TD,TL)*, *183*
Optacon II *(BT,LP)*, *518*
PCMaster & Windows Master *(BR,IA,SV,VS)*, *460*
PowerBraille 40, 65, & 80 *(BR,BT)*, *519*
Vibra-Call Receiver *(CM)*, *326*

Switch Inputs: Uses Analog Control

Products using an analog control, such as a proportional joystick.

LIAISON *(EC,KE,PC,TI)*, *407*
Proportional Keystroke Scanner *(TI)*, *434*

Switch Inputs: Uses Dual Switch

Products accepting a dual switch or two single switches as input.

Ability Switch Tester (5955) *(AS,TR)*, *29*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI)*, *374*
AND Module *(TR)*, *31*
And Or Box *(AS,TR)*, *31*
Apple Computer Input Adapter *(IA)*, *453*
BEST Faces *(ES,TT)*, *562*
BEST Switch Interface *(IA)*, *453*
Call Signal 2 *(AS,CM,TR)*, *314*
Cause 'n Effect *(ES,TT)*, *571*
Cogrehab Vol. 5 *(CR,LS,TT)*, *576*
Colors and Shapes *(ES,TT)*, *579*
Comboard (2615) *(AS,CI,TR)*, *36*
Compartmentalized Communicator *(AS,CI,TR)*, *38*
Computer Switch Interface *(IA)*, *455*
Control 1 *(EC,PC)*, *272*
Controller *(EC)*, *272*
DARCI TOO *(TI)*, *382*
Dial Scan *(AS,CI,TR)*, *40*
Dual Channel Latching Switch Interface *(AS,EC,TR)*, *41*
Duo-Responder *(CI,TR)*, *42*
DynaVox2 & DynaVox2c *(CI,EA)*, *129*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI)*, *131*
ezMorse for Windows *(TI)*, *388*
ezScan *(TI)*, *388*
First Verbs and Primeros Verbos *(ES,LT,TT)*, *601*
First Words *(ES,LT,TT)*, *601*
First Words II *(ES,LT,TT)*, *602*
Geometric Figures and Spatial Concepts *(ED,ES)*, *720*
Gus! Multimedia Speech System *(CI,EA,KM,TI)*, *133*
HandiCODE and HandiCODE Deluxe *(SV,TI)*, *393*
Infrared Remote Control IRTI-I *(EC)*, *284*
Interaction Games *(ES,GA,TR,TT)*, *613*
Interaction Games II *(ES,GA,TR,TT)*, *614*
Join the Circus *(AS,ES,TT)*, *616*
Keyboard Covers *(KM)*, *347*
Kincontrol (4105) *(EC)*, *284*
Learning the Alphabet *(ED,ES)*, *722*
Mac PowerPad Interface for Single Switches *(IA)*, *459*
MessageMate 20 *(CI,EA,TR)*, *141*
Morse Code WSKE II *(TI)*, *418*
Morsek Version 1.1 *(TI)*, *418*
Motor Training Games *(AS,GA,PA,RE,TT)*, *638*
Next Page Page Turner (4600) *(BP,EC)*, *287*
On/Off Module *(TR)*, *49*
Picture Scanner *(TR,TT)*, *655*
Scanning Director *(EC)*, *293*
Scanning Remote Control (SRC) *(EC)*, *294*
Scanning WSKE II *(TI)*, *437*
Scanning X-10 Powerhouse *(EC)*, *294*
ScanPAC *(CI,CN,EA,EC,PW,TI)*, *150*
Series Adapter *(AS,TR)*, *54*
Sharon's Programs *(ED,ES,LS)*, *726*
Single-Appliance Continuous Control Unit *(EC,TR)*, *296*
Steeper Communication/Teaching Aid *(AS,CI,TR)*, *56*
Switch Interface *(IA)*, *463*
Switch Latch (4388) *(AS,EC,TR)*, *56*
Switch Latch/Timer *(AS,TR)*, *57*
Switchboard *(CI,EA)*, *154*
SwitchEnsemble *(RE,TR,TT)*, *685*
SwitchMouse *(MT,TI)*, *443*
Touch Turner *(BP,EC)*, *301*
Training Aid 2 *(AS,EC,TR)*, *61*
TVRC and TVRCS *(EC)*, *301*
Ultra 4 Remote System & Scanning Ultra 4 *(EC)*, *302*
Universal Input Adaptor *(IA)*, *464*
Universal Module *(TR)*, *63*
Versascan *(AS,CI,TR)*, *63*
VoiceMate, SwitchMate, ScanMate (2701-2708) *(TR)*, *64*
VoicePal *(CI,EA,TR)*, *160*
WPS Loquitur 115 and 250 *(TR)*, *65*

Switch Inputs: Uses Joystick (4 or 5 Switches)

Products accepting input from a four-switch or five-switch joystick.

DARCI TOO *(TI)*, *382*
DynaVox2 & DynaVox2c *(CI,EA)*, *129*
Edmark Reading Program, Level 1 Software *(ED,ES,LS)*, *718*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI)*, *131*
Foundations I *(CR,ES,TT)*, *604*
LipStick and WordWriter *(MT,TI)*, *408*
Memory I *(CR,ES,LS,TT)*, *632*
Memory II *(CR,ES,LS,TT)*, *633*
One-Hand Operated Joystick for Genesis Video Game *(TI)*, *427*
Picture Perfect *(DR,PA,RE)*, *762*
Race the Clock *(GA,RE,TT)*, *662*
ScanPAC *(CI,CN,EA,EC,PW,TI)*, *150*
Survival Words *(AD,AS,LS,LT,TT)*, *681*
SwitchMouse *(MT,TI)*, *443*
Universal Input Adaptor *(IA)*, *464*
Visuospatial Skills I *(CR,TT)*, *702*
X-10 Home Control Interface *(EC)*, *306*

Switch Inputs: Uses Multiple Switches (3 to 16 Switches)

Products accepting 3 - 16 switches as input.

Ability Switch Tester (5955) *(AS,TR)*, *29*
AlphaTalker *(CI,EA,TI)*, *119*
BEST Faces *(ES,TT)*, *562*
BEST Switch Interface *(IA)*, *453*
Cheap Talk 4 & 8 *(CI,EA,TR)*, *124*
Cogrehab Vol. 5 *(CR,LS,TT)*, *576*
Colors and Shapes *(ES,TT)*, *579*
Compartmentalized Communicator *(AS,CI,TR)*, *38*
DARCI TOO *(TI)*, *382*
EZ-TV Adapted Infrared Remote Control for Televisions *(EC)*, *276*
FreeSwitch *(EC)*, *279*
GEWA Infra-Link Speaker-Telephone *(CI,EC,PC)*, *279*
Gewa Page Turner *(BP,EC)*, *280*
HandiCODE and HandiCODE Deluxe *(SV,TI)*, *393*
Keyboard Covers *(KM)*, *347*

Lynx *(CI,EA,TR), 140*
Money Skills *(AD,CN,LS,TT), 637*
Morsek Version 1.1 *(TI), 418*
MouseMover - Mac (5005) *(MT,TI), 420*
MouseMover - PC Windows (5004) *(MT,TI), 421*
Multi-Switch Module *(AS,TR), 47*
Next Page Page Turner (4600) *(BP,EC), 287*
RC5000 Radio Home Control System *(CM,EC), 291*
Steeper Communication/Teaching Aid *(AS,CI,TR), 56*
Switch Modified PowerPad *(TI), 442*
Switch-Adapted Mouse (SAM) *(MT,TI), 442*
Switch-Back *(ID,TI), 443*
Switchboard *(CI,EA), 154*
SwitchEnsemble *(RE,TR,TT), 685*
Talk Back III *(CI,EA,TR), 155*
Ultra 4 Remote System & Scanning Ultra 4 *(EC), 302*
VoicePal *(CI,EA,TR), 160*
VoicePal Plus *(CI,EA,TR), 160*
Wireless TV & VCR Remote Controls *(EC), 306*
WPS Loquitur 115 and 250 *(TR), 65*

Switch Inputs: Uses Single Switch

Products accepting a single switch as input

101 Animations *(TR,TT), 556*
Ability Switch Phone Sequencer *(CI,EC,PC), 265*
Ability Switch Tester (5955) *(AS,TR), 29*
Able-Phone 100WA *(EC,PC), 266*
Able2Speak *(EA), 117*
AC Adaptor FRE-103C *(TR), 29*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI), 374*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT,TT), 557*
Aphasia Series: I through VIII *(CR,LS,TT), 558*
Apple Computer Input Adapter *(IA), 453*
Audible Cursor Routine *(CI,EA,PA,TR), 121*
Battery Adapter *(AS,TR), 32*
Battery Device Adapter *(AS,TR), 32*
Battery Interrupter *(AS,TR), 33*
Bed Control (DBC-1) *(EC), 269*
BEST Faces *(ES,TT), 562*
BEST Switch Interface *(IA), 453*
Big/Little I and II *(ES,TT), 562*
Big:Calc *(CN,LP,PA), 740*
BIGmack *(CI,EA,TR), 122*
Blocks in Motion *(DR,RE,TT), 563*
Build-A-Scene *(TT), 567*
Buzzer Box *(CM,TR), 34*
Call Signal 2 *(AS,CM,TR), 314*
Canon Communicator CC-7S and CC-7P *(CI,EA), 123*
Card Communicator *(CI,RE,TR), 34*
CarryCom *(CI,EA), 123*
Cause & Effect *(TR,TT), 570*
Cause 'n Effect *(ES,TT), 571*
CCT Environmental Control *(EC), 271*
Chime Alarm *(AS,CM,TR), 315*
Clock Communicator *(AS,CI,TR), 36*
Cogrehab Vol. 5 *(CR,LS,TT), 576*
Colors and Shapes *(ES,TT), 579*
Comboard (2615) *(AS,CI,TR), 36*
Communication Programs *(CI,EA,EC,TR), 124*
Communiclock *(AS,CI,TR), 37*
Communilight 24 *(EA,TR), 37*
Compartmentalized Clock Communicator *(CI,TR), 38*
Computer Switch Interface *(IA), 455*
Controller *(EC), 272*
Counter Box *(AS,TR), 39*
Counter Module *(AS,TR), 39*
Creature Antics and Creature Capers *(GA,TR,TT), 584*
Creature Cartoons *(ES,GA,TT), 584*
Creature Chorus *(TR,TT), 585*
Creature Features *(TR,TT), 585*
CrossScanner *(IA), 455*
DARCI TOO *(TI), 382*
Delay Timer Box *(AS,EC,TR), 40*
Dial Scan *(AS,CI,TR), 40*
Dino-Games *(ES,TR,TT), 588*
Dinosaur Game *(ES,GA,TR,TT), 589*
Dual Action Latch *(TR), 41*
Dual Clock Communicator *(CI,TR), 42*
DynaVox2 & DynaVox2c *(CI,EA), 129*
E-Tran Scanner *(AS,CI,TR), 43*
Early Concepts *(ES,TT), 590*
Early Learning I *(ES,TT), 592*
Early Learning II *(CN,ED,ES), 717*
Eency-Weency Spider Game *(ES,TT), 593*
EvalPAC with RealVoice *(AS,CI,EA,EC,PW,TI), 131*
Exploring Early Vocabulary Series *(LS,LT,TT), 595*
ezMorse for Windows *(TI), 388*
EZRA *(CI,CM,EC,PC), 277*
ezScan *(TI), 388*
Fast Food Game *(ES,TT), 596*
First Categories *(ES,LS,LT,TT), 599*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
Fundamental Concepts *(ES,TT), 606*
Getting Clean with Herkimer Level I, II, III *(TT), 607*
GEWA Infra-Link Speaker-Telephone *(CI,EC,PC), 279*
Gewa Page Turner *(BP,EC), 280*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
HandiCODE and HandiCODE Deluxe *(SV,TI), 393*
HeadMaster Plus *(MT,TI), 393*
HECS-1 *(EC,PC), 282*
Help U Key *(TI), 394*
HyperBliss 3.2 *(EA), 136*
In & Out Automatic Door Controller *(EC), 283*
Input Adapter *(IA), 456*
Instant Access *(TI), 397*
Intention Module *(TR), 44*
Invertor Module *(AS,TR), 44*
Join the Circus *(AS,ES,TT), 616*
Judy Lynn PC Adapter *(IA), 457*
K.C. & Clyde in Fly Ball *(ED,LS), 722*
Ke:nx *(KE,MT,TI), 402*
Kincontrol (4105) *(EC), 284*
Learn to Scan *(AS,TR,TT), 620*
Let's Go Shopping I and II *(ES,TT), 624*
Let's Go to the Circus *(LT,TT), 624*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
Lighted Vibrating Signalling Buzzer *(AS,TR), 46*
LightWRITER SL85 *(CI,EA), 139*
Listen With Your Ears *(GA,TT), 626*
Lynx *(CI,EA,TR), 140*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT,WP), 756*
Make It In Time *(AS,ES,TT), 628*
Make It Scan *(AS,ES,TT), 629*
MessageMate 20 *(CI,EA,TR), 141*
Messenger *(CI,EA,TR), 142*
Micro-LADS and Micro-LADS in French *(LT,TT), 634*
Mini-Environmental Control (ECU) Box *(EC), 286*
Mix 'N Match *(ES,TT), 636*
Money Skills *(AD,CN,LS,TT), 637*
Morsek Version 1.1 *(TI), 418*
Motor Training Games *(AS,GA,PA,RE,TT), 638*
Motor Training Games *(GA,TR,TT), 638*
Motorized Easel *(BP,EC), 286*
Mouth Operated Joystick for Genesis Video Game *(GA,RE,TI), 422*
Multi-SCAN *(GA,TR,TT), 639*
MusicWare *(CN,ES,GA,LS,TT), 640*
MusicWare - Age Appropriate *(ES,GA,TT), 641*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT), 641*
New Frog & Fly *(TR,TT), 644*
Next Page Page Turner (4600) *(BP,EC), 287*
Nine Volt Battery Adapter Module *(TR), 49*
On/Off Remote Switch *(EC), 288*
One Access *(IA,TI), 427*
One Switch Picasso *(DR,RE,TT), 648*
Personal Pager *(CM), 323*

Phone Manager *(EC,PA,PC), 288*
Pick-A-Meal *(AD,GA,TT), 653*
Pictalk *(CI,ES,TR,TT), 653*
Picture Scanner *(TR,TT), 655*
Pictures Programs: I, II and III *(CR,ES,LS,TT), 656*
PowerLink 2 *(EC), 290*
Press to Play *(ES,TR,TT), 660*
Quad Talk *(AS,CI,TR), 52*
Rabbit Scanner *(AS,ES,TT), 662*
Reactions (R73) *(ES,TT), 663*
ReadyScan *(CI,EA), 147*
Remote Wireless Paging Alarm *(CM), 324*
RevolvingDoors *(MT,TI), 437*
Rhythm Generator *(AS,TR), 52*
Rockets to the Moon *(ES,GA,TR,TT), 666*
Round Clock Communicator *(CI,TR), 53*
Run Rabbit Run *(AS,ES,TT), 666*
Saltus Reader *(BP,EC), 292*
Scan & Match 1, 2, 3, and 4 *(TR,TT), 667*
Scan Com *(CI,EA,EC), 149*
Scan It - Switch It *(TR,TT), 668*
Scan-It-All *(CI,EA,EC), 149*
ScanLite *(CI,TR), 53*
Scanning Director *(EC), 293*
Scanning Picasso *(DR,RE,TT), 668*
Scanning Remote Control (SRC) *(EC), 294*
Scanning WSKE II *(TI), 437*
Scanning X-10 Powerhouse *(EC), 294*
ScanPAC *(CI,CN,EA,EC,PW,TI), 150*
Screamer Alarm *(CM), 324*
SenSei System *(EC,PA,PC,TI,TL), 295*
Sequential Scanner *(AS,CI,TR), 54*
Sharon's Programs *(ED,ES,LS), 726*
Sight Words *(LS,TT), 672*
Single Switch/MatchBox Pack I *(TT), 675*
Single-Switch Multi-Appliance Control Unit & Modules *(EC), 296*
Single-Switch TV Control Unit *(EC), 297*
Slide Projector Control *(EC,RE,TR), 55*
SpeakEasy *(CI,EA), 152*
Speaking Dynamically *(CI,EA), 152*
SS-ACCESS! *(IA), 462*
Steeper Communication/Teaching Aid *(AS,CI,TR), 56*
Storytime Series *(AD,LP,TR,TT), 679*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT,TT), 681*
Switch Arcade *(GA,RE,TT), 682*
Switch Arcade *(GA,TT), 682*
Switch Art *(ES,TT), 683*
Switch Interface *(IA), 463*
Switch It - Change It *(ES,TT), 683*
Switch It - See It *(ES,TT), 684*
Switch Latch (4388) *(AS,EC,TR), 56*
Switch Latch/Timer *(AS,TR), 57*
Switch Puzzles *(RE,TR,TT), 684*
Switchboard *(CI,EA), 154*
SwitchEnsemble *(RE,TR,TT), 685*
SwitchMouse *(MT,TI), 443*
Telephone Management System *(EC,PC), 300*
This Old Man *(CN,SI,TT), 691*
Timer Module *(AS,EC,TR), 59*
Touch Turner *(BP,EC), 301*
TouchMoney *(AD,CN,TT,VO), 693*
Toy Adapter *(AS,TR), 59*
Toy Adapter Cables: CA-9/CA-12/CA-16 *(AS,TR), 60*
Toy Cables (4378, 4379) *(AS,TR), 60*
Training Aid 2 *(AS,EC,TR), 61*
Tubular Vibrator *(TR), 62*
TVRC and TVRCS *(EC), 301*
UKanDu Little Books *(LS,TT), 696*
UKanDu Switches, Too! *(ES,TT), 697*
Universal Input Adaptor *(IA), 464*
Universal Module *(TR), 63*
Versascan *(AS,CI,TR), 63*
Vibrating Sack *(AS,TR), 64*
Visual Motor Skills *(ES,TT), 701*
Vocal Assistant *(CI,CM,EA), 159*
VoiceMate, SwitchMate, ScanMate (2701-2708) *(TR), 64*
VoicePal *(CI,EA,TR), 160*
VX-5000 Cordless Phone *(CI,EC,PC), 305*
Where is Puff? *(ES,TT), 705*
WhisperWolf *(CI,EA), 162*
Wish Writer *(PA,WP), 772*
Words and Concepts I, II, III *(LS,LT,TT), 707*
WPS Loquitur 115 and 250 *(TR), 65*
WriteAway *(PA,TA,WP), 774*

Index 3

Switches Listed by Input/Output Feature

This index includes all switches listed by the type of input and by the number of switches. Within each list the switches appear alphabetically. After each switch are three-letter codes which tell what other categories that switch is listed under. A key to the input/output features and three-letter codes used in this index appears on the next page.

Titles of product lists in this index:

Input Type: Air (Sip/Puff) {ITA}
Input Type: Contact (Zero Pressure) {ITC}
Input Type: Eye Movement and Eye Gaze {ITE}
Input Type: Head Controlled {ITH}
Input Type: Input Jack - Accepts Any Switch {ITI}
Input Type: Joystick/Wobblestick {ITJ}
Input Type: Light Sensitive (Optical) {ITL}
Input Type: Movement Activated {ITM}
Input Type: Noise (Sound or Vocalization) {ITN}
Input Type: Pressure Sensitive {ITP}
Input Type: Wireless {ITW}

Switch Outputs: Dual Switch {SO2}
Switch Outputs: Joystick (4 or 5 Switches) {SOJ}
Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}
Switch Outputs: Single Switch {SO1}

Input/Output Feature codes which may appear in parentheses after items in this index:

ITA	Input Type: Air (Sip/Puff)
ITC	Input Type: Contact (Zero Pressure)
ITE	Input Type: Eye Movement or Eye Gaze
ITH	Input Type: Head Controlled
ITI	Input Type: Input Jack - Accepts Any Switch
ITJ	Input Type: Joystick/Wobblestick
ITL	Input Type: Light Sensitive (Optical)
ITM	Input Type: Movement Activated
ITN	Input Type: Noise (Sound or Vocalization)
ITP	Input Type: Pressure Sensitive
ITW	Input Type: Wireless
SO1	Switch Outputs: Single Switch
SO2	Switch Outputs: Dual Switch
SOJ	Switch Outputs: Joystick (4 or 5 Switches)
SOM	Switch Outputs: Multiple switches (3 to 16 Switches)

Input Type: Air (Sip/Puff) {ITA}

Input devices operated by sip-and-puff style switches. This code is only applied to systems that come equipped with such a switch. Systems that accept any switch as input can often be connected to sip-and-puff switches purchased separately (see "Input Jack," below).

4-Pneumatic Switch: CM-17 *(SOM), 201*
Air Wave Switch *(SO1), 204*
Breath Input Device *(SO2), 207*
Double Sip & Double Puff Switches *(SO2), 214*
Dual Pneumatic Switch: CM-14 *(SO2), 215*
Dual Puff-Sip Switch DPS-2 *(ITP), 216*
HD Latching Pneumatic Switch *(SO1), 221*
LD Latching Puff Switch, *226*
Pneumatic Switch *(SO2), 240*
Pneumatic Switch (5100, 5101) *(SO2), 241*
Sip & Puff Switch *(SO1), 247*

Input Type: Contact (Zero Pressure) {ITC}

Systems that require absolutely no pressure, only contact, to activate.

Capacitive Touchplate Interface *(SOM), 208*
Cylindrical Touch Switch (5300) *(SO2), 213*
Double Touch Switch *(SO1), 215*
Magnetic Finger Switch *(ITM,SO1), 229*
Minimal Motion Splint-Mounted Switch Kits, *233*
P-Switch *(ITM,ITP,SO1), 235*
Photocell Switch *(SO1), 236*

Input Type: Eye Movement and Eye Gaze {ITE}

Systems based upon the movement of the eyes. This includes electronic and non-electronic systems based on gaze, but does not include switch-type systems based on wrinkling the eyebrows or blinking (see "Movement Activated" below).

IST Switch *(ITL,ITM,SO1), 224*
Twinkle Switch *(ITW,SO1,SO2), 255*

Input Type: Head Controlled {ITH}

Systems controlled by movement of the head, including systems controlled with head-mounted light pointers. Also any head-controlled input device.

Facial Switch *(ITP,SO1), 218*
Petite Pillow Switch *(ITP), 236*

Input Type: Input Jack - Accepts Any Switch {ITI}

Systems that have an input jack (or plug) which can be connected to a variety of switches. Communication aids and computer access systems that are switch-operated are indicated by this code.

Remote Ability Switch Adapter *(SO1), 243*

Input Type: Joystick/Wobblestick {ITJ}

Systems that accept a joystick or wobblestick as input. The joystick can be discrete (four or five switches) or analog (proportional).

4-Switch Joystick: CM-19 *(SOJ), 202*
Joystick *(SOJ), 224*
Joystick Interface Control *(SOJ), 225*
Joystick with Pad Switch (5012) *(ITP,SOJ), 225*
Mini Joystick with Push Switch (5020) *(ITP,SOJ), 232*
PRC Joystick *(SOJ), 241*

Input Type: Light Sensitive (Optical) {ITL}

Systems that are controlled by a projected or received source of light. Includes light pens as well as longer range light pointers.

IST Switch *(ITE,ITM,SO1), 224*
Light-Activated Switch *(SO1), 228*

Input Type: Movement Activated {ITM}

Systems that are controlled by some type of movement not necessarily involving pressure. Devices specifically requiring pressure to activate will be listed under Input Type: Pressure Sensitive, rather than here.

Continuous Movement Switch (CMS) *(SO1), 210*
Eyebrow Switch *(SO1), 217*
Finger Flex Switch *(SO1), 218*
Flex Switch (5855) *(ITP,SO1), 219*
Head Control Switch *(SO1), 221*
Head Position Interface *(SOJ), 222*
Head Switch Kit *(SO1), 222*
Headband Switch *(SO1), 223*
IST Switch *(ITE,ITL,SO1), 224*
Magnetic Finger Switch *(ITC,SO1), 229*
Mercury Switch *(SO1), 230*
Mercury Tilt Switch *(SO1), 231*
Overhead Pull Switch *(ITP,SO1), 235*
P-Switch *(ITC,ITP,SO1), 235*
Pull Switch *(ITP,SO1), 242*
SCATIR Switch, *245*
Sensor Switch *(SO1), 245*
Shadow Switch *(SO1), 245*
String Switch *(ITP), 250*
String Switch *(ITP,SO1), 250*
Tilt Switch *(SO1), 252*
Tip Switch (5840) *(SO1), 253*
Twitch Switch *(SO1), 256*

Input Type: Noise (Sound or Vocalization) {ITN}

Systems which are activated by a general sound.

Voice Activated Switch *(SO1), 258*
Voice Switch *(SO1), 258*

Input Type: Pressure Sensitive {ITP}

Most touchpads and non-standard keyboards, plus anything activated by pushing, pulling or grasping. Also any non-electronic communication system where choices are indicated by pointing.

4-Plate Switch: CM-15 *(SOM), 201*
4-Pushbutton Switch: CM-16 *(SOM), 201*
5-Pushbutton Switch: CM-18 *(SOM), 202*
5-Tread Switch Slot Control: CM-50 *(SOM), 202*
Adjustable Pressure Switch, *203*
Air Cushion Switch *(SO1), 203*
Air Cushion Switch (Single or Dual) *(SO1,SO2), 203*
Air Switch, *204*
Analog Switch Pad *(SO1), 204*
Arm Slot Control *(SOM), 205*
Armslot Switch Controller ASC-5 *(SOM), 205*
Big Red, Yellow, Green, and Blue *(SO1), 206*
Body Parts Switch *(SO1), 206*

Body Switch BS-1 *(SO1), 206*
Buddy Button (5710-5773), *207*
Button Switch *(SO1), 207*
Button Switch *(SO1), 208*
Cap Switch (5806) *(SO1), 208*
Clamp-On Bump Switch *(SO1), 209*
Classic Paddle Switch *(SO1), 209*
Coil Spring Wobble Stick Switch *(SO1), 209*
Computer Keyboard Switch *(SO1), 210*
Computer Switch Plate *(SO1), 210*
Controflex Foot Switches *(SO1), 211*
Controflex Ribbon Switches *(SO1), 211*
Control & Momentary Control Center Switches *(SOM), 211*
Crestwood Touch Latch Switch *(SO1), 212*
Cup Switch (5807) *(SO1), 212*
Cushion Switch *(SO1), 213*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch *(SO1), 214*
Dual Plate Switch: CM-12 *(SO2), 215*
Dual Puff-Sip Switch DPS-2 *(ITA), 216*
Dual Pushbutton Switch: CM-13 *(SO2), 216*
Dual Rocking Lever Switch *(SO2), 216*
Dual Tongue Switch TS-2C *(SO2), 217*
Facial Switch *(ITH,SO1), 218*
Finger Isolation Button *(SO1), 218*
Flex Switch (5855) *(ITM,SO1), 219*
Flexit Switch *(SO1), 219*
Flexswitch II *(SO1), 220*
Grasp Switch (5865) *(SO1), 220*
Grip & Puff Switch *(SO1), 220*
Grip Switch *(SO1), 221*
Head Switch, *222*
Intention Switch *(SO1), 223*
Joystick with Pad Switch (5012) *(ITJ,SOJ), 225*
Jumbo Plate Switch *(SO1), 225*
L.T. Switch *(SO1), 226*
Leaf Switch *(SO1), 226*
Leaf Switch *(SO1), 227*
Leaf Switch (5860) *(SO1), 227*
Leaf Switch: CM-2/CM-7 *(SO1), 227*
Left/Right Rocker Switch *(SO2), 228*
Lever Switch: CM-8/CM-9 *(SO1), 228*
LightSwitch *(SO1), 229*
Low Force Adjustable Rod Switch *(SO1), 229*
Mat Switch, *230*
Membrane Plate Switch *(SO1), 230*
Micro Light Switch (5850), *231*
Micro Switch *(SO1), 231*
Mini Cup Switch (5808) *(SO1), 232*
Mini Joystick with Push Switch (5020) *(ITJ,SOJ), 232*
Mini Rocking Lever Switch *(SO2), 232*
Mounting Switch *(SO1), 233*
Multi-Control Press Switch *(SO1,SO2,SOM), 233*
Normally Closed Sensing Cell *(SO1), 234*
Normally Open Sensing Cells, *234*
Omron Switch, *234*
Overhead Pull Switch *(ITM,SO1), 235*
P-Switch *(ITC,ITM,SO1), 235*
Patty Cake Press *(SO1), 235*
Penta Switch (5024) *(SOM), 236*
Petite Pillow Switch *(ITH), 236*
Pillow Switch (5875) *(SO1), 237*
Pinch Switch *(SO1), 237*
Pinch Switch *(SO1), 237*
Plate Switch *(SO1), 238*
Plate Switch *(SO1), 238*
Plate Switch (5830-34) *(SO1), 238*
Plate Switch On Stand *(SO1), 239*
Plate Switch: CM-10 *(SO1), 239*
Plate Switches *(SO1,SOM), 239*
Plate Switches *(SO1), 240*
Play Mat Switch, *240*
Pressure Switch *(SO1), 241*
Pressure Switch *(SO1), 242*
Pull Switch *(ITM,SO1), 242*
Pushbutton Switch: CM-11 *(SO1), 243*
Rocker Switch (5505) *(SO2), 243*
Rocking Plate Switch *(SO2), 244*
Roller Switch Music Box, *244*
Round Pad Switch (5805) *(SO1), 244*
Signal Buzzer Plate *(SO1), 246*
Signal Switch *(SO1), 246*
Single Rocking Lever Switch *(SO1), 246*
Snappy Switch, *247*
Soft Switch (5820, 5821) *(SO1), 247*
Specs Switch, *248*
Sponge Nurse Call Switch *(SO1), 248*
Square Pad Switch (5810) *(SO1), 248*
Squeeze Switch *(SO1), 249*
Standard Paddle Switch *(SO1), 249*
Star Switch (5026) *(SO1), 249*
String Switch *(ITM), 250*
String Switch *(ITM,SO1), 250*
Super-Sensitive Normally Open Switch *(SO1), 250*
Tactile Touch Pad *(SO1), 251*
Taction Pads *(SO1), 251*
TAS Switch *(SO1), 252*
Thumb Switch: CM-5 *(SO1), 252*
Tongue Switch *(SO2), 253*
Touch Pads *(SO1), 254*
Touch Switch: CM-4 *(SO1), 254*
Tread Switch: CM-1 *(SO1), 254*
Treadle Switch (5880) *(SO1), 255*
Twin Plate Switch *(SO2), 255*
Universal Adaptive Switch System *(SO1,SO2,SOM), 256*
Vertical Plate Switch *(SO1), 257*
Vertical Wobble Switch *(SO1), 257*
Vibration Switch *(SO1), 257*
Wafer Switch (5018) *(SOM), 258*
Wobble Switch *(SO1), 259*
Wobble Switch *(SO1), 259*

Input Type: Wireless {ITW}

Systems having a wireless connection between two of its components.

Twinkle Switch *(ITE,SO1,SO2), 255*

Switch Outputs: Dual Switch {SO2}

Opens and closes two circuits.

Air Cushion Switch (Single or Dual) *(ITP,SO1), 203*
Breath Input Device *(ITA), 207*
Cylindrical Touch Switch (5300) *(ITC), 213*
Double Sip & Double Puff Switches *(ITA), 214*
Dual Plate Switch: CM-12 *(ITP), 215*
Dual Pneumatic Switch: CM-14 *(ITA), 215*
Dual Pushbutton Switch: CM-13 *(ITP), 216*
Dual Rocking Lever Switch *(ITP), 216*
Dual Tongue Switch TS-2C *(ITP), 217*
Left/Right Rocker Switch *(ITP), 228*
Mini Rocking Lever Switch *(ITP), 232*
Multi-Control Press Switch *(ITP,SO1,SOM), 233*
Pneumatic Switch *(ITA), 240*
Pneumatic Switch (5100, 5101) *(ITA), 241*
Rocker Switch (5505) *(ITP), 243*
Rocking Plate Switch *(ITP), 244*
Tongue Switch *(ITP), 253*
Twin Plate Switch *(ITP), 255*
Twinkle Switch *(ITE,ITW,SO1), 255*
Universal Adaptive Switch System *(ITP,SO1,SOM), 256*

Switch Outputs: Joystick (4 or 5 Switches) {SOJ}

A joystick that acts like four or five switches.

4-Switch Joystick: CM-19 *(ITJ). 202*
Head Position Interface *(ITM). 222*
Joystick *(ITJ). 224*
Joystick Interface Control *(ITJ). 225*
Joystick with Pad Switch (5012) *(ITJ,ITP). 225*
Mini Joystick with Push Switch (5020) *(ITJ,ITP). 232*
PRC Joystick *(ITJ). 241*

Switch Outputs: Multiple switches (3 to 16 Switches) {SOM}

Multiple Switches housed in a single unit.

4-Plate Switch: CM-15 *(ITP). 201*
4-Pneumatic Switch: CM-17 *(ITA). 201*
4-Pushbutton Switch: CM-16 *(ITP). 201*
5-Pushbutton Switch: CM-18 *(ITP). 202*
5-Tread Switch Slot Control: CM-50 *(ITP). 202*
Arm Slot Control *(ITP). 205*
Armslot Switch Controller ASC-5 *(ITP). 205*
Capacitive Touchplate Interface *(ITC). 208*
Control & Momentary Control Center Switches *(ITP). 211*
Multi-Control Press Switch *(ITP,SO1,SO2). 233*
Penta Switch (5024) *(ITP). 236*
Plate Switches *(ITP,SO1). 239*
Universal Adaptive Switch System *(ITP,SO1,SO2). 256*
Wafer Switch (5018) *(ITP). 258*

Switch Outputs: Single Switch {SO1}

Opens and closes one circuit.

Air Cushion Switch *(ITP). 203*
Air Cushion Switch (Single or Dual) *(ITP,SO2). 203*
Air Wave Switch *(ITA). 204*
Analog Switch Pad *(ITP). 204*
Big Red, Yellow, Green, and Blue *(ITP). 206*
Body Parts Switch *(ITP). 206*
Body Switch BS-1 *(ITP). 206*
Button Switch *(ITP). 207*
Button Switch *(ITP). 208*
Cap Switch (5806) *(ITP). 208*
Clamp-On Bump Switch *(ITP). 209*
Classic Paddle Switch *(ITP). 209*
Coil Spring Wobble Stick Switch *(ITP). 209*
Computer Keyboard Switch *(ITP). 210*
Computer Switch Plate *(ITP). 210*
Continuous Movement Switch (CMS) *(ITM). 210*
Controflex Foot Switches *(ITP). 211*
Controflex Ribbon Switches *(ITP). 211*
Crestwood Converter Switch, *212*
Crestwood Touch Latch Switch *(ITP). 212*
Cup Switch (5807) *(ITP). 212*
Cushion Switch *(ITP). 213*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch *(ITP). 214*
Double Touch Switch *(ITC). 215*
Eyebrow Switch *(ITM). 217*
Facial Switch *(ITH,ITP). 218*
Finger Flex Switch *(ITM). 218*
Finger Isolation Button *(ITP). 218*
Flex Switch (5855) *(ITM,ITP). 219*
Flexi-Switch, *219*
Flexit Switch *(ITP). 219*
Flexswitch II *(ITP). 220*
Grasp Switch (5865) *(ITP). 220*
Grip & Puff Switch *(ITP). 220*
Grip Switch *(ITP). 221*
HD Latching Pneumatic Switch *(ITA). 221*
Head Control Switch *(ITM). 221*
Head Switch Kit *(ITM). 222*
Headband Switch *(ITM). 223*
Intention Switch *(ITP). 223*
IST Switch *(ITE,ITL,ITM). 224*
Jelly Bean, *224*
Jumbo Plate Switch *(ITP). 225*
L.T. Switch *(ITP). 226*
Leaf Switch *(ITP). 226*
Leaf Switch *(ITP). 227*
Leaf Switch (5860) *(ITP). 227*
Leaf Switch: CM-2/CM-7 *(ITP). 227*
Lever Switch: CM-8/CM-9 *(ITP). 228*
Light-Activated Switch *(ITL). 228*
LightSwitch *(ITP). 229*
Low Force Adjustable Rod Switch *(ITP). 229*
Magnetic Finger Switch *(ITC,ITM). 229*
Membrane Plate Switch *(ITP). 230*
Mercury Switch *(ITM). 230*
Mercury Tilt Switch *(ITM). 231*
Micro Switch *(ITP). 231*
Mini Cup Switch (5808) *(ITP). 232*
Mounting Switch *(ITP). 233*
Multi-Control Press Switch *(ITP,SO2,SOM). 233*
Normally Closed Sensing Cell *(ITP). 234*
Overhead Pull Switch *(ITM,ITP). 235*
P-Switch *(ITC,ITM,ITP). 235*
Patty Cake Press *(ITP). 235*
Photocell Switch *(ITC). 236*
Pillow Switch (5875) *(ITP). 237*
Pinch Switch *(ITP). 237*
Pinch Switch *(ITP). 237*
Plate Switch *(ITP). 238*
Plate Switch *(ITP). 238*
Plate Switch (5830-34) *(ITP). 238*
Plate Switch On Stand *(ITP). 239*
Plate Switch: CM-10 *(ITP). 239*
Plate Switches *(ITP,SOM). 239*
Plate Switches *(ITP). 240*
Pressure Switch *(ITP). 241*
Pressure Switch *(ITP). 242*
Pull Switch *(ITM,ITP). 242*
Pushbutton Switch: CM-11 *(ITP). 243*
Remote Ability Switch Adapter *(ITI). 243*
Round Pad Switch (5805) *(ITP). 244*
Sensor Switch *(ITM). 245*
Shadow Switch *(ITM). 245*
Signal Buzzer Plate *(ITP). 246*
Signal Switch *(ITP). 246*
Single Rocking Lever Switch *(ITP). 246*
Sip & Puff Switch *(ITA). 247*
Soft Switch (5820, 5821) *(ITP). 247*
Sponge Nurse Call Switch *(ITP). 248*
Square Pad Switch (5810) *(ITP). 248*
Squeeze Switch *(ITP). 249*
Standard Paddle Switch *(ITP). 249*
Star Switch (5026) *(ITP). 249*
String Switch *(ITM,ITP). 250*
Super-Sensitive Normally Open Switch *(ITP). 250*
Tactile Touch Pad *(ITP). 251*
Taction Pads *(ITP). 251*
TAS Switch *(ITP). 252*
Thumb Switch: CM-5 *(ITP). 252*
Tilt Switch *(ITM). 252*
Tip Switch (5840) *(ITM). 253*
Touch Pads *(ITP). 254*
Touch Switch: CM-4 *(ITP). 254*
Tread Switch: CM-1 *(ITP). 254*
Treadle Switch (5880) *(ITP). 255*
Twinkle Switch *(ITE,ITW,SO2). 255*
Twitch Switch *(ITM). 256*
Ultimate Switch, *256*
Universal Adaptive Switch System *(ITP,SO2,SOM). 256*
Vertical Plate Switch *(ITP). 257*

Vertical Wobble Switch *(ITP)*, *257*
Vibration Switch *(ITP)*, *257*
Voice Activated Switch *(ITN)*, *258*
Voice Switch *(ITN)*, *258*
Wobble Switch *(ITP)*, *259*
Wobble Switch *(ITP)*, *259*

914

Index 4

Products Listed by Computer

This index lists all products for each computer, followed by the functions of that product and the page location. Whenever possible the computer family has been specified. The listings for specific models within that family generally include only those products made specifically for that model (e.g., a keyguard) or with clearly stated restrictions regarding certain models. In all other cases, including those where software compatibility with all models in the family is not clearly specified, the computer family has been used. The manufacturer should always be contacted for up-to-date information on which models a program works with.

For example, someone interested in software for the Apple IIGS should check both the Apple IIGS and Apple II Family lists. The manufacturer of the software that is identified as meeting the function needs and having the necessary input and output features should then be contacted to determine whether the program will run on the Apple IIGS.

Titles of product lists in this index:

All Computers (Hardware Independent)
Apple Macintosh Portable
Apple II+
Apple IIc
Apple IIe
Apple IIGS
Apple II Family
Apple Macintosh Family
Apple Macintosh Plus
Apple Macintosh SE/II
Atari 400
Atari 800
Atari Family
Atari ST Family
Block Transfer Terminals
Commodore 128
Commodore 64
Commodore Amiga
Commodore Family
Datavue Spark
Epson HX-20
Grid
IBM-PC PC
IBM-PC XT
IBM PC AT
IBM PC Family
IBM PC jr
IBM PS/2 Family
IBM PS/2 Models 25/30
IBM PS/2 Models 50/60
IBM PS/2 Models 70/80
ITT
NEC (some or all models)
Nintendo
Sun Microsystems SPARCstation
Tandy 1000
Texas Instruments TI 99/4A
Toshiba Laptops
TRS-80 Color Computer
TRS-80 Model 100
TRS-80 Model 200
TRS-80 Model I
TRS-80 Model II
TRS-80 Model III
TRS-80 Model IV

Function codes which may appear in paretheses after items in this index:

AD	Activities of Daily Living
AL	Artificial Larynx
AS	Assessment (Evaluation)
BP	Book/Paper Handling
BR	Braille
BT	Braille and Tactile Output Systems
CI	Conversation/Interaction
CM	Call, Monitoring, or Memory System
CN	Calculation/Math Aid
CR	Cognitive Rehabilitation
DR	Drawing
DS	Database Management/Spreadsheet
EA	Electronic Communication or Writing Aid
EC	Environmental Control
ED	Adaptive Educational Software
ES	Early Skills (Pre-Reading)
GA	Game
IA	Input Adapter for Computer
ID	Input Device Usable with Only Some Software
KB	Keyboarding Training Program
KE	Keyboard Emulating Interface
KG	Keyguard
KM	Modification for Standard Keyboard
LP	Large Print Output
LS	Later Skills (Includes Reading)
LT	Language Therapy/Development
MG	Magnification Hardware and Software for Computer Displays
MS	Mounting Systems
MT	Mouse or Touch Pad Emulation
NA	Non-Electronic Communication Aid
PA	Personal Tool or Aid (for Speaking, Writing, Drawing, Controlling, etc.)
PC	Phone Control/Access
PT	Pointing or Typing Aid
PW	Portable Writing
RE	Recreation
RS	Repetitive Strain Injury (RSI) Prevention
SA	Speech Aid
SI	Signing
SS	Speech Synthesizer
ST	Speech Therapy (not Language Therapy)
SV	Screen (Display) to Voice
TA	Typing Acceleration Program
TD	Telecommunication Device for the Deaf (TDD)
TI	Alternate Input Usable with All Software
TL	Telecommunication
TR	Training or Communication Initiation Aid
TT	Training and Therapy Software
VA	Voice Amplifier
VO	Vocational
VS	Voice-Output Screen Reader or Reading Machine
WP	Word Processing (Writing)

All Computers (Hardware Independent)

This list includes products which are designed to work with computers, but are independent of the make and model of computer. These products may still have specific hardware requirements, such as memory and interfaces, they simply do not require a specific make and model. Products which work with particular makes and models will be listed under those categories.

ADJUSTable, *541*
Adjustable EZ Magnifier *(LP,MG), 493*
Armslot Switch Controller ASC-5, *205*
Articulating Drawers *(KM), 332*
Audapter Speech System *(SS), 527*
Beamscope *(LP,MG), 494*
Body Switch BS-1, *206*
Braille Blazer *(BP,BR,BT), 507*
Braille BookMaker and Braille Express 100 & 500 *(BR,BT), 508*
BrailleMate 2 *(BR,PW,VS), 470*
CarpalRest *(KM,RS), 335*
Comfortype *(KM,RS), 336*
Compu-Lenz *(LP,MG), 495*
Control 1 *(EC,PC), 272*
DataArm *(KM,RS), 337*
DECtalk *(SS), 528*
Dual Puff-Sip Switch DPS-2, *216*
EasyRiser, *546*
Environment Control *(EC), 275*
Ergorest Articulated Forearm Rests *(KM,RS), 340*
FlexShield Keyboard Protectors *(KM), 341*
Generation IV Adjustable Computer Tables, *547*
GNK Magnifier *(LP,MG), 496*
High Dots *(BR,KM), 344*
Home-Row Key Indicators *(KM), 345*
Index Basic *(BR,BT), 512*
Index Basic-D *(BR,BT), 512*
Index Everest-D *(BR,BT), 513*
Juliet Brailler *(BR,BT), 514*
Key Largo *(TI), 403*
Keyboard Wrist Rest *(KM), 348*
LAP CAT *(KM,RS), 353*
Marathon Brailler *(BR,BT), 515*
Micro Light Switch (5850), *231*
Modular Turntable Desks, *549*
MOUSE PERCH *(KM,RS), 355*
MultiVoice *(SS), 534*
NuVu Magnifier *(LP,MG), 500*
Open Book *(VS), 478*
Optacon II *(BT,LP), 518*
Ransley Braille Interface (RBI) *(BR,BT), 519*
Reading Edge *(TI), 435*
Roll & Slide Keyboard Wrist Support *(KM), 362*
Romeo Brailler Model RB-25 *(BR,BT), 520*
Romeo Brailler Model RB-40 *(BR,BT), 520*
SafeSkin Keyboard Protector *(KM), 363*
SCATIR Switch, *245*
Single Switch Software *(ED,TT), 675*
Slip-On Typing Aid *(PT), 25*
SM85 Smart ASCII/Baudot Modem *(CI,PC,TD,TL), 189*
Speech Recognition Systems *(TI), 441*
Star Switch (5026), *249*
Stick-On Keylocks *(KM), 364*
String Switch, *250*
TarsalRest, *552*
Thomas Brailler *(BR,BT), 521*
Touch 'N Talk Micros *(CI,NA), 111*
Variable Height Desk, *552*
VersaPoint-40 Braille Embosser *(BR,BT), 522*
VocaLite *(SS), 537*
WRIST PERCH *(KM,RS), 368*

Apple Macintosh Portable

This list includes products which have been specifically described by their manufacturers as working with the Macintosh Portable. Many products listed under other Apple Macintosh models will also work with the Portable. Contact the manufacturers of specific products for more information about model compatibility.

Ke:nx *(KE,MT,TI), 402*

Apple II+

This list includes products which specifically work with the Apple II+. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple II+ and another model (say, the IIe), it will be listed here and under that other model.

Audio Braille Game Tutorial *(BR,GA,RE,TT), 560*
Big/Little I and II *(ES,TT), 562*
Buddy's Body *(AS,ES,TT), 566*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT), 568*
Community Vehicles *(ES,TT), 580*
Computer CUP *(ES,LT,TT), 581*
Early Concepts *(ES,TT), 590*
Echo II *(SS), 529*
Eency-Weency Spider Game *(ES,TT), 593*
Family Fun *(AS,ES,TT), 596*
Fast Food Game *(ES,TT), 596*
Feelings *(ES,TT), 597*
Governor (2464) *(GA,PA), 547*
If You're Happy and You Know It *(ES,TT), 610*
Let's Go Shopping I and II *(ES,TT), 624*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI), 425*
Old MacDonald's Farm I and II *(ES,LS,TT), 646*
Padded Food *(AS,ES,TT), 650*
Padded Vehicles *(ES,TT), 651*
Paper Dolls I and II *(AD,ES,TT), 651*
Pictalk *(CI,ES,TR,TT), 653*
PowerPad *(DR,RE,TI), 432*
Remote Keyboard for the Apple II+ and IIe *(DR,TI), 436*
Sight Words *(LS,TT), 672*
Silly Sandwich *(ES,TT), 673*
Switch It - Change It *(ES,TT), 683*
Switch It - See It *(ES,TT), 684*
Tea Party *(ES,TT), 688*
Voice Math *(CN,ED), 731*
Voice Reading Ability Drill *(ED,LS), 732*
Where is Puff? *(ES,TT), 705*
Zoo Time *(ES,TT), 709*

Apple IIc

This list includes products which specifically work with the Apple IIc. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIc and another model, it will be listed here and under that other model.

Aphasia Series: I through VIII *(CR,LS,TT), 558*
Association Pictures *(CR,TT), 559*
Audio Braille Game Tutorial *(BR,GA,RE,TT), 560*
BEX 3.1 *(BR,LP,PA,SV,WP), 739*
Braille-Talk *(BR,PA,SV), 742*
Calc-Talk *(CN,LP,PA,SV), 743*
Cause 'n Effect *(ES,TT), 571*
Cognitive Disorders I, II, III, IV *(CR,TT), 573*
Computer CUP *(ES,LT,TT), 581*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,ES,LS,TT), 591*
Early Learning I *(ES,TT), 592*
Early Learning II *(CN,ED,ES), 717*
Early Learning III *(CN,ED,LS), 717*

Echo LC *(SS)*. *530*
Electric Crayon and Electric Crayon Deluxe *(DR.PA.RE)*. *748*
File-Talk *(DS.PA.SV)*. *750*
Function Pictures *(CR.TT)*. *605*
Hand Controls *(ID.TI)*. *392*
Inferential Naming for Cognitive and Language Disorders
(CR.LS.LT.TT). *611*
Initial Phoneme Cuing for Aphasics *(CR.TT)*. *613*
Join the Circus *(AS.ES.TT)*. *616*
MacTRAC *(MT.TI)*. *411*
Mix 'N Match *(ES.TT)*. *636*
Money Skills *(AD.CN.LS.TT)*. *637*
Numeric Concepts I and II *(LS.TT)*. *644*
QUADLynx Trackball *(MT.TI)*. *435*
Reading Comprehension for Adolescents *(CR.TT)*. *664*
Semantic Development Using Code Breaking Strategies
(LS.LT.TT). *670*
Sharon's Programs *(ED.ES.LS)*. *726*
Talking Hands *(SI.TT)*. *685*
Talking Sensible Speller *(PA.SV)*. *765*
Term-Talk *(PA.SV)*. *768*
TimeOut UltraMacros *(KM.TA)*. *366*
Turbo Trackball *(MT.TI)*. *447*
Understanding Attributes *(CR.TT)*. *697*
Verb Fill-Ins *(CR.TT)*. *698*
Verbal Analogies *(LS.LT.TT)*. *698*
Word Order in Sentences *(LS.LT.TT)*. *706*
Word-Talk *(PA.SV.WP)*. *773*
Work-Station Pro *(PA)*. *773*
X-10 Home Control Interface *(EC)*. *306*

Apple IIe

This list includes products which specifically work with the Apple IIe. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIe and another model, it will be listed here and under the other model.

Access to Math *(CN,ED)*. *713*
Adaptive Firmware Card Model G32e *(IA.KE.KM.TI)*. *374*
Aphasia Series: I through VIII *(CR.LS.TT)*. *558*
Association Pictures *(CR.TT)*. *559*
Audio Braille Game Tutorial *(BR.GA.RE.TT)*. *560*
BEX 3.1 *(BR.LP.PA.SV.WP)*. *739*
Big/Little I and II *(ES.TT)*. *562*
Bloorview Miniature Keyboard *(TI)*. *379*
Body Builder *(ES.TT)*. *564*
Braille-Talk *(BR.PA.SV)*. *742*
Brailled Keyboard Model--Apple IIe *(BR)*. *543*
Buddy's Body *(AS.ES.TT)*. *566*
Calc-Talk *(CN.LP.PA.SV)*. *743*
Captain's Log: Cognitive Training System *(AS.CR.ES.LS.TT)*. *568*
Cognitive Disorders I, II, III, IV *(CR.TT)*. *573*
COINSNKEYS *(CN.ES.KB.TT)*. *577*
Community Vehicles *(ES.TT)*. *580*
Computer CUP *(ES.LT.TT)*. *581*
Creature Features *(TR.TT)*. *585*
Creature Magic *(GA.LS.LT.RE.TT)*. *586*
DARCI TOO *(TI)*. *382*
Dinosaur Game *(ES.GA.TR.TT)*. *589*
Drive to Live *(ED.LS)*. *716*
Early Concepts *(ES.TT)*. *590*
Early Emerging Rules Series *(LS.LT.TT)*. *591*
Early Learning 3.5/Complete Early Learning 5.25
(ED.ES.LS.TT). *591*
Early Learning I *(ES.TT)*. *592*
Early Learning II *(CN.ED.ES)*. *717*
Early Learning III *(CN.ED.LS)*. *717*
Echo II *(SS)*. *529*
Eency-Weency Spider Game *(ES.TT)*. *593*
Electric Crayon and Electric Crayon Deluxe *(DR.PA.RE)*. *748*
EvalPAC with RealVoice *(AS.CI.EA.EC.PW.TI)*. *131*
Exploring Early Vocabulary Series *(LS.LT.TT)*. *595*
Family Fun *(AS.ES.TT)*. *596*
Fast Food Game *(ES.TT)*. *596*
Feelings *(ES.TT)*. *597*
File-Talk *(DS.PA.SV)*. *750*
Function Pictures *(CR.TT)*. *605*
Governor (2464) *(GA.PA)*. *547*
Hand Controls *(ID.TI)*. *392*
If You're Happy and You Know It *(ES.TT)*. *610*
Inferential Naming for Cognitive and Language Disorders
(CR.LS.LT.TT). *611*
Initial Phoneme Cuing for Aphasics *(CR.TT)*. *613*
IntelliKeys *(TI)*. *398*
Interaction Games II *(ES.GA.TR.TT)*. *614*
Join the Circus *(AS.ES.TT)*. *616*
Keyboard Covers *(KM)*. *347*
Keyboard Overlays for Apple IIe and IIgs *(KM)*. *347*
Keyboarding for Individual Achievement *(ED.KB.TT)*. *617*
Keyboarding for People with Cerebral Palsy *(ED.KB.TT)*. *618*
Keyboarding with One Hand *(ED.KB.TT)*. *619*
Keyguards *(KG.KM)*. *350*
King Keyboard (2440) *(TI)*. *405*
Learn to Scan *(AS.TR.TT)*. *620*
Let's Go Shopping I and II *(ES.TT)*. *624*
LightBoard *(TI)*. *408*
Logo TouchTools for the PowerPad *(AS.ES.TT)*. *627*
MacTRAC *(MT.TI)*. *411*
Make It In Time *(AS.ES.TT)*. *628*
Make It Scan *(AS.ES.TT)*. *629*
Me Too! *(PA)*. *757*
Mini Keyboard (2443 or 2450) *(TI)*. *416*
Mix 'N Match *(ES.TT)*. *636*
Moisture Guard *(KM)*. *355*
Money Skills *(AD.CN.LS.TT)*. *637*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI)*. *425*
Numeric Concepts I and II *(LS.TT)*. *644*
Occupations *(TT)*. *645*
Old MacDonald's Farm I and II *(ES.LS.TT)*. *646*
Padded Food *(AS.ES.TT)*. *650*
Padded Vehicles *(ES.TT)*. *651*
Paper Dolls I and II *(AD.ES.TT)*. *651*
Pictalk *(CI.ES.TR.TT)*. *653*
Picture Icon X-CHANGE *(EA)*. *146*
PowerPad *(DR.RE.TI)*. *432*
PowerPad Preschool Pack I & II *(GA.TT)*. *658*
PowerPad Starter Kit *(TI)*. *432*
PowerPad Toolkit 4 *(PA)*. *762*
Predict It *(PA.TA.WP)*. *763*
QUADLynx Trackball *(MT.TI)*. *435*
R.A.P.S. Software Series I PowerPad *(TT)*. *661*
Reading Comprehension for Adolescents *(CR.TT)*. *664*
Remote Keyboard for the Apple II+ and IIe *(DR.TI)*. *436*
Rockets to the Moon *(ES.GA.TR.TT)*. *666*
Semantic Development Using Code Breaking Strategies
(LS.LT.TT). *670*
Sharon's Programs *(ED.ES.LS)*. *726*
Sight Words *(LS.TT)*. *672*
Silly Sandwich *(ES.TT)*. *673*
Simple Sentence Structure *(ES.LT.TT)*. *673*
SimpleCom I: Yes/No Communication *(CI.TR.TT)*. *674*
SimpleCom II: Needs/Wants Communication *(CI.TR.TT)*. *674*
Storytime Series *(AD.LP.TR.TT)*. *679*
Switch It - Change It *(ES.TT)*. *683*
Switch It - See It *(ES.TT)*. *684*
Talking Hands *(SI.TT)*. *685*
Talking Literacy Kit for the Apple IIe (TALK IIe)
(GA.KB.TT.WP). *686*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI.TR.TT)*. *686*
Talking Public Domain Disks *(ED.LS.SV.TT.VO)*. *730*
Talking Sensible Speller *(PA.SV)*. *765*
Tea Party *(ES.TT)*. *688*
Term-Talk *(PA.SV)*. *768*
This is the Way We Wash Our Face *(ES.TR.TT)*. *691*
TimeOut UltraMacros *(KM.TA)*. *366*
Turbo Trackball *(MT.TI)*. *447*
Twenty Categories *(LS.LT.TT)*. *696*

Understanding Attributes *(CR,TT)*, *697*
Verb Fill-Ins *(CR,TT)*, *698*
Verbal Analogies *(LS,LT,TT)*, *698*
Video Voice Speech Training System *(ST,TT)*, *699*
Where is Puff? *(ES,TT)*, *705*
Word Order in Sentences *(LS,LT,TT)*, *706*
Word-Talk *(PA,SV,WP)*, *773*
Work-Station Pro *(PA)*, *773*
Worm Squirm *(ES,TR,TT)*, *708*
X-10 Home Control Interface *(EC)*, *306*
Zero to Five *(ED,LS)*, *734*
Zoo Time *(ES,TT)*, *709*

Apple IIGS

This list includes products which specifically work with the Apple IIGS. If a product works with all Apple II series computers, it will not be listed here, but will be under "Apple II Family." If it works with the Apple IIGS and another model, it will be listed here and under that other model.

Access to Math *(CN,ED)*, *713*
Adaptive Firmware Card Model G32e *(IA,KE,KM,TI)*, *374*
AlphaSmart Pro *(PW,TI)*, *375*
Aphasia Series: I through VIII *(CR,LS,TT)*, *558*
Apple Adjustable Keyboard *(RS,TI)*, *376*
Apple IIGS Owner's Guide: Disk Edition, *542*
Association Pictures *(CR,TT)*, *559*
BEX 3.1 *(BR,LP,PA,SV,WP)*, *739*
Big/Little I and II *(ES,TT)*, *562*
Body Builder *(ES,TT)*, *564*
Braille-Talk *(BR,PA,SV)*, *742*
Brailled Keyboard Overlay for the Apple IIGS *(BR,KM)*, *334*
Breakthru Box *(TI)*, *379*
Buddy's Body *(AS,ES,TT)*, *566*
Calc-Talk *(CN,LP,PA,SV)*, *743*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT)*, *568*
Cause 'n Effect *(ES,TT)*, *571*
Cognitive Disorders I, II, III, IV *(CR,TT)*, *573*
COINSNKEYS *(CN,ES,KB,TT)*, *577*
Community Vehicles *(ES,TT)*, *580*
CONCENTRATE! On Words & Concepts *(LS,LT,TT)*, *582*
Creature Antics and Creature Capers *(GA,TR,TT)*, *584*
Creature Chorus *(TR,TT)*, *585*
Creature Features *(TR,TT)*, *585*
Creature Magic *(GA,LS,LT,RE,TT)*, *586*
CrossWords *(GA,LS,TT)*, *586*
DARCI TOO *(TI)*, *382*
Early Concepts *(ES,TT)*, *590*
Early Emerging Rules Series *(LS,LT,TT)*, *591*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,ES,LS,TT)*, *591*
Early Learning I *(ES,TT)*, *592*
Early Learning II *(CN,ED,ES)*, *717*
Early Learning III *(CN,ED,LS)*, *717*
Echo II *(SS)*, *529*
Eency-Weency Spider Game *(ES,TT)*, *593*
Electric Crayon and Electric Crayon Deluxe *(DR,PA,RE)*, *748*
Expanded Keyboard for Apple Macintosh and Apple IIGS *(TI)*, *385*
Expanded Numeric Keypads *(TI)*, *386*
Exploring Early Vocabulary Series *(LS,LT,TT)*, *595*
Family Fun *(AS,ES,TT)*, *596*
Fast Food Game *(ES,TT)*, *596*
Feelings *(ES,TT)*, *597*
File-Talk *(DS,PA,SV)*, *750*
First Verbs and Primeros Verbos *(ES,LT,TT)*, *601*
First Words *(ES,LT,TT)*, *601*
First Words II *(ES,LT,TT)*, *602*
Function Pictures *(CR,TT)*, *605*
Getting Clean with Herkimer Level I, II, III *(TT)*, *607*
Hand Controls *(ID,TI)*, *392*
HeadMaster Plus *(MT,TI)*, *393*
If You're Happy and You Know It *(ES,TT)*, *610*
Inferential Naming for Cognitive and Language Disorders *(CR,LS,LT,TT)*, *611*
Initial Phoneme Cuing for Aphasics *(CR,TT)*, *613*
IntelliKeys *(TI)*, *398*
Interaction Games II *(ES,GA,TR,TT)*, *614*
Join the Circus *(AS,ES,TT)*, *616*
Keyboard Overlays for Apple IIe and IIgs *(KM)*, *347*
Keyguards *(KG,KM)*, *350*
King Keyboard (2440) *(TI)*, *405*
Learn to Scan *(AS,TR,TT)*, *620*
Let's Go Shopping I and II *(ES,TT)*, *624*
Let's Go to the Circus *(LT,TT)*, *624*
LIAISON *(EC,KE,PC,TI)*, *407*
LightBoard *(TI)*, *408*
Logo TouchTools for the PowerPad *(AS,ES,TT)*, *627*
Macrat *(TI)*, *410*
Magic Wand Keyboard with McKey Mouse Option *(TI)*, *412*
Make It In Time *(AS,ES,TT)*, *628*
Make It Scan *(AS,ES,TT)*, *629*
Me Too! *(PA)*, *757*
Micro-LADS and Micro-LADS in French *(LT,TT)*, *634*
Mini Keyboard (2443 or 2450) *(TI)*, *416*
Mini-Keyboards *(TI)*, *416*
Mix 'N Match *(ES,TT)*, *636*
Moisture Guard *(KM)*, *355*
Money Skills *(AD,CN,LS,TT)*, *637*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT)*, *641*
My Paint & Talking Coloring Books *(DR,ES,LT,TT)*, *642*
MY SCHOOL: Language Activites of Daily Living *(LS,TT)*, *642*
MY TOWN: Language Activities of Daily Living *(LS,LT,TT)*, *643*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(TI)*, *425*
Numeric Concepts I and II *(LS,TT)*, *644*
Occupations *(TT)*, *645*
Old MacDonald's Farm I and II *(ES,LS,TT)*, *646*
Padded Food *(AS,ES,TT)*, *650*
Padded Vehicles *(ES,TT)*, *651*
Paper Dolls I and II *(AD,ES,TT)*, *651*
Pictalk *(CI,ES,TR,TT)*, *653*
Picture Icon X-CHANGE *(EA)*, *146*
PowerPad *(DR,RE,TI)*, *432*
PowerPad Preschool Pack I & II *(GA,TT)*, *658*
PowerPad Starter Kit *(TI)*, *432*
PowerPad Toolkit 4 *(PA)*, *762*
PowerTalker *(TR,TT)*, *658*
Predict It *(PA,TA,WP)*, *763*
R.A.P.S. Software Series I PowerPad *(TT)*, *661*
Reactions (R73) *(ES,TT)*, *663*
Reading Comprehension for Adolescents *(CR,TT)*, *664*
Scan It - Switch It *(TR,TT)*, *668*
Seasons *(TT)*, *669*
Seek & Find *(TT)*, *669*
Semantic Development Using Code Breaking Strategies *(LS,LT,TT)*, *670*
Sharon's Programs *(ED,ES,LS)*, *726*
Sight Words *(LS,TT)*, *672*
Silly Sandwich *(ES,TT)*, *673*
Simple Sentence Structure *(ES,LT,TT)*, *673*
SimpleCom I: Yes/No Communication *(CI,TR,TT)*, *674*
SimpleCom II: Needs/Wants Communication *(CI,TR,TT)*, *674*
Single Switch/MatchBox Pack I *(TT)*, *675*
SPELLIST *(ED,LS)*, *729*
Storytime Series *(AD,LP,TR,TT)*, *679*
Switch Arcade *(GA,TT)*, *682*
Switch It - Change It *(ES,TT)*, *683*
Switch It - See It *(ES,TT)*, *684*
SwitchEnsemble *(RE,TR,TT)*, *685*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT)*, *686*
Talking Public Domain Disks *(ED,LS,SV,TT,VO)*, *730*
Talking Sensible Speller *(PA,SV)*, *765*
Tea Party *(ES,TT)*, *688*
Term-Talk *(PA,SV)*, *768*
Textalker-GS *(VS)*, *486*
TimeOut UltraMacros *(KM,TA)*, *366*
Trip to the Zoo *(GA,TT)*, *695*
Turbo Trackball *(MT,TI)*, *447*

Twenty Categories *(LS,LT,TT), 696*
Understanding Attributes *(CR,TT), 697*
Verb Fill-Ins *(CR,TT), 698*
Verbal Analogies *(LS,LT,TT), 698*
Video Voice Speech Training System *(ST,TT), 699*
Voice Math *(CN,ED), 731*
Voice Reading Ability Drill *(ED,LS), 732*
Where is Puff? *(ES,TT), 705*
Word Order in Sentences *(LS,LT,TT), 706*
Word-Talk *(PA,SV,WP), 773*
Work-Station Pro *(PA), 773*
Zero to Five *(ED,LS), 734*
Zoo Time *(ES,TT), 709*

Apple II Family

This list includes products which work with all of the Apple II series of computers (II+, IIc, IIe, IIGS). It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific models are listed under those models. Please consult the product description or the manufacturer about specific requirements, such as memory or operating system.

Adult Switch Progressions *(TR,TT), 556*
Adventures of Jimmy Jumper - Prepositions *(AS,ES,LT,TT), 557*
AlphaTalker *(CI,EA,TI), 119*
Antonyms and Synonyms (Cognitive Disorders 12) *(CR,LS,TT), 557*
APH Presents the Talking Apple Computer *(SV,TT), 558*
APH Scientific Calculator: for Apple II Computers *(CN,PA,SV), 737*
APH/SEI Talking Software *(ED,LS,SV), 713*
Apple Computer Input Adapter *(IA), 453*
AppleWorks Manuals: Special Editions *(SV), 542*
Arithmetic 1, 2, and 3 with Speech *(CN,ED,LS,SV), 714*
Babysitting Basics *(TT,VO), 560*
Be a Winner Series *(LS,TT,VO), 561*
Bear Jam *(ES,TT), 561*
Blueprint for Decision Making *(LS,TT), 563*
Bozons' Quest *(GA,LS,TT), 564*
Breakthrough to Language: Clinical Edition *(LT,ST,TT), 565*
Breakthrough to Language: Home Edition *(LT,ST,TT), 566*
Build-A-Scene *(TT), 567*
CAMEO *(AD,CN,ED,LS), 715*
CAV-ASL *(SI,TT), 571*
Children's Switch Progressions *(TT), 572*
Cogrehab Vol. 2 *(CR,LS,TT), 574*
Cogrehab Vol. 3 Version 2.0 *(CR,LS,TT), 575*
Cogrehab Vol. 4 *(CR,LS,TT), 575*
Cogrehab Vol. 5 *(CR,LS,TT), 576*
Cogrehab Vol. 6 *(CR,LS,TT), 576*
Cogrehab Vol. 7: Quest *(CR,LS,TT), 577*
Color Find *(ES,TT), 578*
Community Signs *(AD,LS,LT,TT), 580*
Complete Spelling Program *(ED,LS), 716*
CompuDesk HCP, *543*
Computer Interface Box *(IA), 454*
Computer Switch Interface *(IA), 455*
CONCENTRATE! On Words & Concepts *(LS,LT,TT), 582*
Core Reading and Vocabulary Development *(ED,LS,LT,TT), 583*
Creature Antics and Creature Capers *(GA,TR,TT), 584*
Creature Chorus *(TR,TT), 585*
Custom Keyguard *(KG,KM), 336*
DA-II Adapter *(IA), 456*
Data Entry *(TT,VO), 587*
Disk Guide (2485), *545*
Dvorak Conversion Keytop Labels *(KM), 338*
Early and Advanced Switch Games *(TT), 590*
Echo II with Textalker & Echo II with Textalker-GS *(SS,VS), 472*
Edmark Functional Word Series *(AD,TT,VO), 592*
Edmark Reading Program, Level 1 Software *(ED,ES,LS), 718*
Elementary Signer *(SI,TT), 593*
Elementary Volume 1 - Mathematics *(CN,ED,LS,SV), 718*
Employment Signs *(AD,LS,LT,TT), 594*
English on the Job *(AS,TT,VO), 594*
ERIN (Early Recognition Intervention Network) *(AS,ED,ES), 719*
Expanded Keyboards for the Talking BlissApple *(KG,TI), 386*
Fingerspeller *(SI,TT), 598*
First Categories *(ES,LS,LT,TT), 599*
First Mate *(CR,TT), 600*
First Step Software *(LT,TT), 600*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
Focus on Facts *(ED,SV), 719*
Focus on Nations *(ED,SV), 720*
Following Directions: One- and Two-Level Commands *(ES,TT), 602*
Following Directions: Left and Right *(ES,TT), 603*
Food Facts *(AD,SV,TT), 603*
Further Adventures of Jimmy Jumper - Perseverance *(AS,ES,TT), 606*
GrammarPlay with Alps and Droops *(LS,LT,TT), 607*
Grocery Store Words *(AD,LS,TT), 608*
Hierarchical Attention Training *(CR,LS,TT), 608*
Homographs *(CR,LS,TT), 609*
Homophones *(CR,LS,TT), 609*
Human Being Machine *(RE,TT), 610*
Improving Your Self-Concept *(TT), 611*
Information Signs *(AD,LS,LT,TT), 612*
Input Adapter *(IA), 456*
IntelliKeys Overlay Maker, *548*
IntelliTalk *(CI,EA,PA), 137*
Interaction Games *(ES,GA,TR,TT), 613*
Internal I/O Port Adapter *(IA), 457*
Job Readiness Series *(AS,TT,VO), 614*
Job Seeking Series *(LS,TT,VO), 615*
Job Success Series *(TT,VO), 615*
Joystick Trainer *(TR,TT), 616*
Keyboard Interfaces *(IA,KE), 458*
Keyboarding by Ability *(ED,KB,TT), 617*
Keyguard *(KG,KM), 349*
Keylocks *(KM), 350*
Keys to Success: Comp. Keybd. Skills for Blind Children *(KB,SV,TT), 619*
Learning Activity Packets (LAPs) *(CN,LS,TT,VO), 621*
Learning to Reason Series *(LS,TT), 622*
Learning to Spell Braille Signs *(BR,TT), 623*
Letter Find *(CN,ES,KB,SV,TT), 625*
LetterTALK+ *(SV,TT,WP), 625*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
Listen and Spell *(ED,LS), 723*
Living Alone *(AD,TT), 626*
Mac-Apple Communications Aid *(CI,CN,DR,ES,PA,TT,WP), 756*
Magic Slate II *(LP,LS,PA,TT,WP), 756*
Mastering Personal Information (MPI) *(AD,CR,TT), 629*
Math on the Job *(AS,CN,TT,VO), 630*
Maze *(GA,RE,TT), 631*
Medical Words *(AD,LS,TT), 631*
Micro Guide to Careers Series *(TT,VO), 633*
Micro-LADS and Micro-LADS in French *(LT,TT), 634*
Microcomputer Evaluation of Career Areas (MECA) *(AS,TT,VO), 634*
MicroIllustrator *(DR,PA,RE,TT), 758*
Mind Castle I and II *(GA,LS,TT), 635*
Minimal Contrast Therapy *(ST,TT), 636*
Minspeak Application Programs (MAP) *(CI,PA), 759*
Money Matters *(LS,TT), 637*
Motor Training Games *(AS,GA,PA,RE,TT), 638*
Motor Training Games *(GA,TR,TT), 638*
Muppet Learning Keys *(GA,ID,TI), 423*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT), 641*
MY SCHOOL: Language Activites of Daily Living *(LS,TT), 642*
MY TOWN: Language Activities of Daily Living *(LS,LT,TT), 643*
Ohtsuki BT-5000 Braille/Print Printer *(BR,BT), 517*
On the Job Series - Career Interests *(TT,VO), 646*
Order Processing *(TT,VO), 650*
Paragon Braille Printer *(BR,BT), 518*
Personal Development Software Series *(LS,TT), 652*
Pick-A-Meal *(AD,GA,TT), 653*
Picture Perfect *(DR,PA,RE), 762*
Picture Scanner *(TR,TT), 655*
Picture/Theme Disks *(TR,TT), 656*

Pictures Programs: I, II and III *(CR,ES,LS,TT), 656*
Point to Pictures *(TR,TT), 657*
Porter, The *(IA), 461*
Positive Parenting *(AD,TT), 657*
Prefixes *(ED,LS,SV), 723*
Preposition Fill-Ins *(CR,TT), 659*
Primer 83 *(AS,LS,TT), 660*
Rabbit Scanner *(AS,ES,TT), 662*
Race the Clock *(GA,RE,TT), 662*
Rate Drill in Articulation, Language and Fluency *(LT,ST,TT), 663*
Readable Stories Series *(ED,LS), 724*
Reading a Ruler - English & Metric *(CN,TT,VO), 664*
Reasoning Skills on the Job *(AS,TT,VO), 665*
Rhyming Pictures *(CR,TT), 665*
Run Rabbit Run *(AS,ES,TT), 666*
Safety Signs *(AD,LS,LT,TT), 667*
Scanning Conversion Program, *550*
Sensible Speller: Talking APH Edition *(ED,LS,SV), 725*
Sentence Master *(LS,TT), 671*
Sight Word Spelling *(ED,LS,SV), 726*
Speaking Speller *(ED,LS,SV), 727*
Special Education Public Domain Software *(CR,ED,LS,TT), 677*
Spell-A-Word & 2+2 *(CN,ED,LS), 727*
Spell-Talk *(ED,LS,SV), 728*
Spelling Tutor *(ED,LS), 728*
SPELLIST *(ED,LS), 729*
Spin and Spell *(ED,LS), 729*
Steps for Career Choice *(TT,VO), 678*
Study Buddy *(ED), 730*
SuperPort *(IA), 462*
Survival Words *(AD,AS,LS,LT,TT), 681*
Switch Interface *(IA), 463*
Talking Riddles *(ED,LS,SV), 731*
Talking Touch Window *(AS,CI,TR,TT), 687*
Talking Typer *(KB,SV,TT), 687*
Talking Utilities for DOS 3.3 *(PA,SV), 766*
Talking Utilities for ProDOS, *551*
Talking Writer & Four Games *(KB,LP,PA,SV,TT,WP), 766*
Teenage Switch Progressions *(TT), 689*
TEXTALKER *(BT,SV), 521*
Timekeeper *(AD,TT), 692*
Touch and Match *(ES,TT), 692*
Touch and See *(ES,TT), 693*
TouchMoney *(AD,CN,TT,VO), 693*
TouchWindow *(DR,DS,ID,RE,TI,WP), 444*
Trace Math Aid *(CN,ED,PA), 769*
Transportation Signs *(AD,LS,LT,TT), 694*
Universal Input Adaptor *(IA), 464*
Wheels On The Bus I, II, III *(ES,TR,TT), 704*
Wordplay with Alps and Droops *(ED,GA,LS), 732*
Words and Concepts I, II, III *(LS,LT,TT), 707*
Write *(CI,ED,LS,SV), 733*
Write This Way *(ED,WP), 733*
WSCC (Washington State Cooperative Curriculum) *(LS,TT), 709*
ZoomCaps *(KM), 369*

Apple Macintosh Family

This list includes products which work with all of the Apple Macintosh family of computers. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific models are listed under those models. Please consult the product description or the manufacturer about specific requirements, such as memory or operating system.

101 Animations *(TR,TT), 556*
AccessBliss 2.2 *(NA), 69*
Adult Switch Progressions *(TR,TT), 556*
AlphaSmart Pro *(PW,TI), 375*
AlphaTalker *(CI,EA,TI), 119*
Apple Adjustable Keyboard *(RS,TI), 376*
BAT Personal Keyboard *(TI), 377*
Beep-in-Touch *(CM), 312*
Big Keys *(TI), 378*
Big/Little I and II *(ES,TT), 562*
Big:Calc *(CN,LP,PA), 740*
Biggy *(LP,PA), 741*
BlissWrite *(PA,TT,WP), 741*
Blissymbols Gallery *(NA), 72*
Blocks in Motion *(DR,RE,TT), 563*
Boardmaker 3.0 *(NA), 73*
Breakthru Box *(TI), 379*
Buddy's Body *(AS,ES,TT), 566*
Build-A-Scene *(TT), 567*
CAMEO *(AD,CN,ED,LS), 715*
CanSpeak *(CI,LT,TT), 568*
CAV-ASL *(SI,TT), 571*
Children's Switch Progressions *(TT), 572*
Circletime Tales & Circletime Tales Deluxe *(ES,TT), 572*
Cirque GlidePoint Trackpads *(MT,TI), 380*
ClickIt! *(IA), 454*
CloseView *(LP,MG), 495*
Co:Writer *(PA,TA), 745*
Colorful Concept Software *(ES,TT), 578*
Comfort Keyboard System *(TI), 380*
Communication Icon Galleries CD-ROM *(NA,SS), 78*
Community Vehicles *(ES,TT), 580*
CONCENTRATE! On Words & Concepts *(LS,LT,TT), 582*
Core Reading and Vocabulary Development *(ED,LS,LT,TT), 583*
Creature Antics and Creature Capers *(GA,TR,TT), 584*
Creature Cartoons *(ES,GA,TT), 584*
Creature Features *(TR,TT), 585*
Creature Magic *(GA,LS,LT,RE,TT), 586*
CrossScanner *(IA), 455*
Custom Keyguard *(KG,KM), 336*
DARCI TOO *(TI), 382*
Dino-Games *(ES,TR,TT), 588*
DJ ProPack Speech Module *(SS), 529*
Dollars & Cents Series *(AD,CN,TT), 589*
Doors II *(TI), 382*
Duxbury Braille Font *(PA), 746*
Duxbury Braille Translator (DBT) *(BR,PA), 746*
Dvorak Conversion Keytop Labels *(KM), 338*
DynaVox2 DOS & DynaVox2 Mac *(EA), 129*
Early and Advanced Switch Games *(TT), 590*
Early Concepts *(ES,TT), 590*
Early Emerging Rules Series *(LS,LT,TT), 591*
Early Learning 3.5/Complete Early Learning 5.25 *(ED,ES,LS,TT), 591*
Early Learning I *(ES,TT), 592*
Early Learning II *(CN,ED,ES), 717*
Early Learning III *(CN,ED,LS), 717*
Easy Access *(KM,MT), 339*
Echo LC *(SS), 530*
Elementary Signer *(SI,TT), 593*
ERIN (Early Recognition Intervention Network) *(AS,ED,ES), 719*
Every Day Is A Holiday *(GA,RE,TT), 595*
ExerciseBreak *(PA,RS), 749*
Expanded Keyboard for Apple Macintosh and Apple IIGS *(TI), 385*
Expanded Numeric Keypads *(TI), 386*
Exploring Early Vocabulary Series *(LS,LT,TT), 595*
Family Fun *(AS,ES,TT), 596*
Fast Food Game *(ES,TT), 596*
Feelings *(ES,TT), 597*
Felix *(MT,TI), 389*
Find the Buttons *(TT), 597*
Fingerspeller *(SI,TT), 598*
FingerZoids *(GA,SI,TT), 599*
First Categories *(ES,LS,LT,TT), 599*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
Half-QWERTY One-handed Keyboard Software *(KM), 342*
HeadMaster Plus *(MT,TI), 393*
HeadMouse *(DR,MT,TI), 394*
Hereward Tracker Ball & Joystick Module *(MT,TI), 395*
HomeAccess *(EC,PA), 283*
HyperBliss 3.2 *(EA), 136*
I Can Play, Too! *(PA,RE,TR), 753*

If You're Happy and You Know It *(ES,TT), 610*
Imaginart Gallery *(NA), 88*
Infovox 210 *(SV,VS), 475*
Instant Access *(TI), 397*
IntelliKeys *(TI), 398*
IntelliKeys Overlay Maker, *548*
IntelliTalk *(CI,EA,PA), 137*
JOKUS Software *(ED,ES), 721*
Joystick Trainer *(TR,TT), 616*
K.C. & Clyde in Fly Ball *(ED,LS), 722*
Ke:nx On:Board (M43) *(TI), 402*
Keyboard Overlays for Apple IIe and IIgs *(KM), 347*
Keyguard *(KG,KM), 349*
Keyguards *(KG,KM), 350*
KeyMagic *(KM), 351*
Kinesis Ergonomic Keyboard *(RS,TI), 405*
Let's Go to the Circus *(LT,TT), 624*
LIAISON *(EC,KE,PC,TI), 407*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
LightBoard *(TI), 408*
LipStick and WordWriter *(MT,TI), 408*
Listen With Your Ears *(GA,TT), 626*
Mac PowerPad Interface for Single Switches *(IA), 459*
Macintosh Switch Interface (M09) *(IA), 459*
MacKing *(MT,TI), 409*
MacMini *(MT,TI), 410*
MacQWERTY *(KM), 354*
Macrat *(TI), 410*
Magic Wand Keyboard with McKey Mouse Option *(TI), 412*
Micro-LADS and Micro-LADS in French *(LT,TT), 634*
MIKE (Mouse Interface & Keyboard Emulation) *(MT,TI), 415*
Mini-Keyboards *(TI), 416*
Minspeak Application Programs (MAP) *(CI,PA), 759*
Mix 'N Match *(ES,TT), 636*
Moisture Guard *(KM), 355*
Money Skills *(AD,CN,LS,TT), 637*
Mouse-Trak *(MT,TI), 419*
MouseMover - Mac (5005) *(MT,TI), 420*
MousePen *(MT,TI), 421*
Multi-SCAN *(GA,TR,TT), 639*
Muppet Learning Keys *(GA,ID,TI), 423*
MusicWare *(CN,ES,GA,LS,TT), 640*
MusicWare - Age Appropriate *(ES,GA,TT), 641*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT), 641*
MY SCHOOL: Language Activites of Daily Living *(LS,TT), 642*
MY TOWN: Language Activities of Daily Living *(LS,LT,TT), 643*
MyKey *(MT,RS,TI), 424*
New Frog & Fly *(TR,TT), 644*
NexCom 300vi & 300ve *(TD), 185*
NOMAD Talking Touch Pad & NOMAD Gold *(BT,SV), 516*
Occupations *(TT), 645*
On the Job Series - Career Interests *(TT,VO), 646*
On the Job Series - Mathematics *(CN,TT,VO), 647*
One Switch Picasso *(DR,RE,TT), 648*
Padded Food *(AS,ES,TT), 650*
Padded Vehicles *(ES,TT), 651*
Paper Dolls I and II *(AD,ES,TT), 651*
Paragon Braille Printer *(BR,BT), 518*
PhoneAccess *(EC,PC), 289*
Pick 'n Stick on Disk *(NA), 99*
Pick-A-Meal *(AD,GA,TT), 653*
Picture Cue Dictionary *(AD,CI,LT,NA,TT), 654*
Picture Scanner *(TR,TT), 655*
Picture/Theme Disks *(TR,TT), 656*
PowerBook Mounting Plate *(MS), 171*
PowerSecretary *(TI,WP), 433*
Pre-Dict-ate *(TI), 433*
Press to Play *(ES,TR,TT), 660*
PROXi *(EC,PC), 290*
QuicKeys *(KM,TA), 361*
Race the Clock *(GA,RE,TT), 662*
RemotePoint *(MT,TI), 436*
RevolvingDoors *(MT,TI), 437*
Rockets to the Moon *(ES,GA,TR,TT), 666*
Scan & Match 1, 2, 3, and 4 *(TR,TT), 667*
Scan It - Switch It *(TR,TT), 668*
Scanning Picasso *(DR,RE,TT), 668*
ScottBridge Speech Access System *(TI), 438*
ScreenDoors *(TI), 438*
Seek & Find *(TT), 669*
Sentence Master *(LS,TT), 671*
Shell Game & Mouse Game *(ES,GA,TT), 672*
Silly Sandwich *(ES,TT), 673*
Simple Sentence Structure *(ES,LT,TT), 673*
Son of Seek and Find *(GA,TT), 676*
Sound Scope *(ST,TT), 677*
Speaking Dynamically *(CI,EA), 152*
Spell-A-Word & 2+2 *(CN,ED,LS), 727*
Stingray *(MT,TI), 441*
Storytime Series for Macintosh *(AD,LP,TR,TT), 679*
Swim, Swam, Swum: Mastering Irregular Verbs *(LS,LT,TT), 681*
Switch Arcade *(GA,RE,TT), 682*
Switch It - See It *(ES,TT), 684*
Switch Puzzles *(RE,TR,TT), 684*
Switch-Adapted Mouse (SAM) *(MT,TI), 442*
Switch-Back *(ID,TI), 443*
SynergyMac and SynergyPC *(CI,PW,TI), 444*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI), 463*
Talk:About *(CI,EA), 156*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT), 686*
Tea Party *(ES,TT), 688*
Teenage Switch Progressions *(TT), 689*
Telepathic II *(PA,TA), 767*
Tempo II Plus *(KM,TA), 365*
TempoEZ *(KM,TA), 366*
This is the Way We Wash Our Face *(ES,TR,TT), 691*
This Old Man *(CN,SI,TT), 691*
TouchWindow *(DR,DS,ID,RE,TI,WP), 444*
Trackball Pro *(MT,TI), 445*
TranSend System *(BR,BT), 522*
Trip to the Zoo *(GA,TT), 695*
Turbo Mouse 4.0 *(MT,TI), 447*
Turbo Trackball *(MT,TI), 447*
Turn-Talking *(CI,TR,TT), 695*
TypeIt4Me *(PA,TA), 770*
UKanDu Little Books *(LS,TT), 696*
UKanDu Switches, Too! *(ES,TT), 697*
Universal Control System with Tongue Touch Keypad *(EC,PC), 303*
Vertical *(RS,TI), 448*
Video Voice Speech Training System *(ST,TT), 699*
VisionKey *(EA,TI), 158*
Wheels On The Bus I, II, III *(ES,TR,TT), 704*
Wheels on the Bus I, II, III - Intellipics Activity *(ES,GA,TT), 704*
Wheels on the Bus: COMPLETE *(ES,TT), 705*
Where is Puff? *(ES,TT), 705*
Words and Concepts I, II, III *(LS,LT,TT), 707*
WordWise Software *(LT,TT), 708*
WordWriter *(KM,TA,WP), 368*
Worm Squirm *(ES,TR,TT), 708*
Write This Way *(ED,WP), 733*
Write:OutLoud *(PA,WP), 774*
X-10 Home Control Interface *(EC), 306*
Zoo Time *(ES,TT), 709*
ZoomCaps *(KM), 369*

Apple Macintosh Plus

This list includes products which specifically work with the Macintosh Plus. If a product works with all models of Macintosh, it will not be listed here, but will be listed under "Apple Macintosh Family." If it works with the Mac Plus and another model of Mac, it will be listed here and under that other model.

Communication Board Builder *(NA), 77*
inLARGE 2.0 *(LP,MG), 496*
MacTRAC *(MT,TI), 411*
outSPOKEN 1.7 *(SV,VS), 479*
QUADLynx Trackball *(MT,TI), 435*
Sentence Key & Picture Sequence Key *(LT,TT), 671*

Apple Macintosh SE/II

This list includes products which work with the Macintosh SE and Macintosh II computers, as well as "sub-models" within those product lines (such as the Mac IIx). Please note that some of the products on this list may work with only the Mac SE or only the Mac II. If a product works with all models of Mac, it will not be listed here, but will appear under "Apple Macintosh Family." If it works with certain other models (such as the Mac Plus), it will be listed here and under those other models.

Communication Board Builder *(NA)*, *77*
Ke:nx *(KE,MT,TI)*, *402*
MacTRAC *(MT,TI)*, *411*
MouseStick II *(MT,TI)*, *422*
outSPOKEN 1.7 *(SV,VS)*, *479*
SenSei System *(EC,PA,PC,TI,TL)*, *295*

Atari 400

This list includes products which specifically work with the Atari 400. If a product works with other specific Atari models, it will be listed under those other models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Bear Jam *(ES,TT)*, *561*
MicroIllustrator *(DR,PA,RE,TT)*, *758*
PowerPad *(DR,RE,TI)*, *432*

Atari 800

This list includes products which specifically work with the Atari 800. If a product works with other specific Atari models, it will be listed under those models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Bear Jam *(ES,TT)*, *561*
MicroIllustrator *(DR,PA,RE,TT)*, *758*
PowerPad *(DR,RE,TI)*, *432*

Atari Family

This list includes products that work with any model of Atari computer, as well as products for which the manufacturer has not specified model compatibility.

CompuDesk HCP, *543*
Custom Keyguard *(KG,KM)*, *336*

Atari ST Family

This list includes products which specifically work with the Atari ST. If a product works with other specific Atari models, it will be listed under those other models as well. If it works with ALL Atari models, it will be listed under "Atari (all or some models)," and not here.

Filch *(KM)*, *341*

Block Transfer Terminals

Help U Type *(KM,TA)*, *344*

Commodore 128

This list includes products which specifically work with the Commodore 128. If a product works with all Commodore computers, it will not be listed here, but will be under "Commodore (all or some models)." If it works with the 128 and another model (such as the Commodore 64), it will be listed here and under that other model.

Bear Jam *(ES,TT)*, *561*
PowerPad *(DR,RE,TI)*, *432*

Commodore 64

This list includes products which specifically work with the Commodore 64. If a product works with all Commodore computers, it will not be listed here, but will appear under "Commodore (all or some models)." If it works with the 64 and another model, it will be listed here and under that other model.

Bear Jam *(ES,TT)*, *561*
Complete Spelling Program *(ED,LS)*, *716*
Custom Keyguard *(KG,KM)*, *336*
Electric Crayon and Electric Crayon Deluxe *(DR,PA,RE)*, *748*
H:1 Handicapped Word Games *(ED,GA,LS,PA,RE)*, *752*
PowerPad *(DR,RE,TI)*, *432*
X-10 Home Control Interface *(EC)*, *306*
Zero to Five *(ED,LS)*, *734*

Commodore Amiga

This list includes products which specifically work with Commodore Amiga computers. If a product works with all Commodore computers, it will not be listed here, but will appear under "Commodore (all or some models)." If it works with specific other models, it will be listed here and under those other models.

AmTRAC *(MT,TI)*, *375*
Breakthru Box *(TI)*, *379*
Expanded Numeric Keypads *(TI)*, *386*
Filch *(KM)*, *341*
Mini-Keyboards *(TI)*, *416*
Trackball Pro *(MT,TI)*, *445*

Commodore Family

This list includes products which work with any Commodore computer. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific Commodore models (such as the Amiga) are listed under those models. Please consult the product description or the manufacturer about specific requirements such as operating system or memory.

CompuDesk HCP, *543*

Datavue Spark

This list includes only products that have been specifically designed to work with the Datavue Spark computer. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

Filch *(KM)*, *341*

Epson HX-20

This list includes products which work with the HX-20, or are based on that machine.

HX-20 Protective Cover *(KM). 345*
On/Off Adaptor Switch *(KM). 357*
Reinforced Keyguard *(KG,KM). 362*

Grid

This list includes products which have been specifically described by their manufacturers as working with Grid computers.

Filch *(KM). 341*
HandiCHAT and HandiCHAT Deluxe *(SV,VS). 473*
HandiCODE and HandiCODE Deluxe *(SV,TI). 393*
HandiKEY and HandiKEY Deluxe *(KM). 342*
HandiSHIFT *(KM). 343*
HandiWORD and HandiWORD International *(KM,TA). 343*
SeeBEEP *(PA). 764*

IBM-PC PC

This list includes products which specifically work with the original IBM PC, and don't require the power of a PC XT or PC AT. Some of these may also work on an XT, AT or PS/2, in which case they will also be listed under those computers.

Infovox 500, 700 & 750 *(SS). 531*

IBM-PC XT

This list includes products which work specifically with the PC XT model of the IBM PC family. If a product works with other models as well, it will be listed under those models, or simply under "IBM PC Family."

AbleOffice, *541*
Big Keys *(TI). 378*
BRAILLEX-2D *(BR,BT). 509*
Finish Line *(PA,TA). 751*
GEWA FTB 108 Enlarged Keyboard *(TI). 391*
GEWA METB 121 Reduced Size Keyboard *(TI). 391*
Infovox 500, 700 & 750 *(SS). 531*
MyKey *(MT,RS,TI). 424*

IBM PC AT

This list includes products which work only with the AT model of the IBM-PC family. If a product works with the AT and other models, it will be listed under "IBM PC Family."

Atlas Speaks *(PA). 737*
Big Keys *(TI). 378*
BRAILLEX-2D *(BR,BT). 509*
Finish Line *(PA,TA). 751*
GEWA FTB 108 Enlarged Keyboard *(TI). 391*
GEWA METB 121 Reduced Size Keyboard *(TI). 391*
Infovox 500, 700 & 750 *(SS). 531*
IRIS Reading Interface 3.0 *(SV,TI). 399*
MiniErgo-MF2 *(KM,RS,TI). 417*
Multi-Line Dial-A-News System *(PA,TD,TI). 759*
MyKey *(MT,RS,TI). 424*
OsCaR *(TI). 429*
Strider *(PA). 764*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI). 463*

IBM PC Family

This list includes products which work with all models of the IBM Personal Computer. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with the IBM PC AT (and not with other models) are listed under "IBM PC AT." For compatibility with the PC jr, see that list. Please consult the product description or the manufacturer about specific requirements such as memory and operating system.

1-Key *(KM). 331*
101 Animations *(TR,TT). 556*
AbiliTech Commander IR *(EC). 263*
AbiliTech Commander X-10 *(EC). 264*
AbiliTech Communicator *(CI,EC,PC). 264*
AbiliTech Home Control System *(EC,PC). 265*
Able2Speak *(EA). 117*
Accent-PC *(SS). 525*
Accent-SA *(SS). 526*
Access Pack for Microsoft Windows *(IA,KM,MT,TI). 331*
Access-I *(CI,PW,TI). 373*
AccessDOS *(IA,KM,MT,TI). 332*
Adap2U *(MT,TI). 373*
ADAPTA-LAN *(CI,LP,PC,TI,WP). 374*
Adult Switch Progressions *(TR,TT). 556*
AlphaSmart Pro *(PW,TI). 375*
AlphaTalker *(CI,EA,TI). 119*
ALVA Braille Terminals *(BR,BT). 507*
Antonyms and Synonyms (Cognitive Disorders 12) *(CR,LS,TT). 557*
Aphasia Series: I through VIII *(CR,LS,TT). 558*
Artic TransPort *(SS,SV). 526*
ASAP (Automatic Speech Access Program) *(SV,VS). 468*
ASER Ergonomic Keyboard Layout *(KM,RS). 333*
Association Pictures *(CR,TT). 559*
Atlantic 144 TTY *(TD). 179*
Attention, Perception & Discrimination Plus for Windows *(CR,TT). 559*
AudScan II *(CI,EA). 121*
Aurora 2.0 for DOS *(CI,EA,LP,TA,TI,WP). 376*
Aurora for Windows *(KM,TA,TI,WP). 333*
Auto Braille *(BR,PA). 738*
B-Edit *(LP,PA,TA,WP). 738*
B-Pop *(MG). 493*
Basic Learning Skills Courseware *(CN,ED,LS). 714*
BAT Personal Keyboard *(TI). 377*
Be a Winner Series *(LS,TT,VO). 561*
Beep-in-Touch *(CM). 312*
BEST Faces *(ES,TT). 562*
BEST Switch Interface *(IA). 453*
BIG for 1-2-3 *(DS,LP,PA). 739*
BIG for WordPerfect *(LP,PA). 740*
Big-W *(LP,MG). 494*
BioMuse *(TI). 378*
BlissWrite *(PA,TT,WP). 741*
Bloorview Miniature Keyboard *(TI). 379*
Boardmaker for Windows *(NA). 73*
BookWise *(VS). 468*
Braille 'n Speak *(BR,PW,SS,SV,TI,VS). 469*
Braille Keytop Labels *(BR,KM). 334*
Braille Tutorial *(BR,TT). 565*
Braille-Talk *(BR,PA,SV). 742*
BrailleAccess *(BR,BT). 509*
Braillo 200 *(BP,BR,BT). 510*
Braillo 400 S *(BP,BR,BT). 510*
Braillo Comet *(BP,BR,BT). 511*
Breakthrough to Language: Clinical Edition *(LT,ST,TT). 565*
Breakthrough to Language: Home Edition *(LT,ST,TT). 566*
Breakthru Box *(TI). 379*
Breath Input Device, *207*
Build-A-Scene *(TT). 567*
Business Vision *(SV,VS). 471*
Butler-in-a-Box *(EC,PC,TI). 270*
Cafet-for-Voice *(ST,TT). 567*
Calcworthy *(CN,PA,SV). 743*

CallText 5000 *(PC,SS), 527*
CAMEO *(AD,CN,ED,LS), 715*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT), 568*
Career English *(ED,LS,VO), 715*
CarryCom *(CI,EA), 123*
Categories Plus for Windows *(CR,TT), 569*
Category Discrimination and Reasoning Plus for Windows *(CR,TT), 569*
Category Naming and Completion Plus for Windows *(CR,TT), 570*
Cause & Effect *(TR,TT), 570*
CAV-ASL *(SI,TT), 571*
CCT Environmental Control *(EC), 271*
Children's Switch Progressions *(TT), 572*
CINTEX I *(EC,PA,PC,RE,TA,TI,WP), 744*
CINTEX2 *(EC,PA,PC), 271*
Cirque GlidePoint Trackpads *(MT,TI), 380*
Cognitive Disorders I, II, III, IV *(CR,TT), 573*
Cogrehab Vol. 1 *(CR,LS,TT), 574*
Cogrehab Vol. 4 *(CR,LS,TT), 575*
Cogrehab Vol. 5 *(CR,LS,TT), 576*
Cogrehab Vol. 6 *(CR,LS,TT), 576*
Cogrehab Vol. 7: Quest *(CR,LS,TT), 577*
COINSNKEYS *(CN,ES,KB,TT), 577*
Colors and Shapes *(ES,TT), 579*
Combination Braille/Large Print Keytop Labels *(BR,KM,LP), 335*
Comfort Keyboard System *(TI), 380*
Community Signs *(AD,LS,LT,TT), 580*
Completion From Partial Information Plus for Windows *(CR,TT), 581*
CompuDesk HCP, *543*
Computer Literacy Series *(KB,TT), 582*
CONCENTRATE! On Words & Concepts *(LS,LT,TT), 582*
Concept Keyboard *(TI), 381*
Construc *(CR,TT), 583*
Cordless WinMouse *(MT,TI), 381*
Core Reading and Vocabulary Development *(ED,LS,LT,TT), 583*
Creature Antics and Creature Capers *(GA,TR,TT), 584*
Creature Chorus *(TR,TT), 585*
Creature Features *(TR,TT), 585*
Creature Magic *(GA,LS,LT,RE,TT), 586*
CrossScanner *(IA), 455*
Custom Keyguard *(KG,KM), 336*
DARCI TOO *(TI), 382*
Data Entry *(TT,VO), 587*
DECtalk PC & DECtalk Express *(SS), 528*
Deductive Reasoning Plus for Windows *(CR,TT), 587*
Definitions Plus for Windows *(CR,TT), 588*
Dino-Games *(ES,TR,TT), 588*
DM80/FM *(BR,BT,TI), 511*
DOS Tape, *545*
DragonDictate Starter, Classic, and Power Editions *(TI), 383*
Duxbury Braille Board for Microsoft Windows *(BR,PA), 745*
Duxbury Braille Font *(PA), 746*
Duxbury Braille Translator (DBT) *(BR,PA), 746*
Duxbury Braille Translator for WordPerfect (DUXWP) *(BR,PA), 747*
Dvorak Computer Keyboard *(KM), 337*
Dvorak Conversion Keytop Labels *(KM), 338*
Dvorak Keyboard Layouts *(KM), 338*
DynaVox2 DOS & DynaVox2 Mac *(EA), 129*
E Z Keys *(EC,KM,TA), 339*
Early and Advanced Switch Games *(TT), 590*
Early Emerging Rules Series *(LS,LT,TT), 591*
Echo PCII *(SS), 530*
Echo-PC *(SS), 531*
Edgar *(BR,PA), 748*
EEK *(TI), 383*
Electric Crayon and Electric Crayon Deluxe *(DR,PA,RE), 748*
Elementary Signer *(SI,TT), 593*
Emacspeak *(VS), 472*
Employment Signs *(AD,LS,LT,TT), 594*
Equalizer *(CI,DR,EA,PW,RE,TI,WP), 131*
ErgoLogic Model 7.1 Keyboard *(RS,TI), 384*
ERIN (Early Recognition Intervention Network) *(AS,ED,ES), 719*
ExerciseBreak *(PA,RS), 749*
Expanded Keyboard Emulator *(KM,TA), 340*
Expanded Keyboard for IBM Computers *(KG,TI), 385*
Expanded Numeric Keypads *(TI), 386*
Expert Mouse *(MT,TI), 387*
Exploring Early Vocabulary Series *(LS,LT,TT), 595*
Eye Relief *(LP,PA,WP), 750*
Eye Slaved Pointing System *(EC,PC,TI), 387*
ezMorse for Windows *(TI), 388*
ezScan *(TI), 388*
FastTRAP *(MT,TI), 389*
Felix *(MT,TI), 389*
Filch *(KM), 341*
Find the Buttons *(TT), 597*
Fingerspeller *(SI,TT), 598*
Fingerspelling & Numbers *(SI,TT), 598*
Finish Line *(PA,TA), 751*
First Categories *(ES,LS,LT,TT), 599*
First Verbs and Primeros Verbos *(ES,LT,TT), 601*
First Words *(ES,LT,TT), 601*
First Words II *(ES,LT,TT), 602*
First-Finger WinTrack *(MT,TI), 390*
FlexPro *(RS,TI), 390*
FormMate *(PA), 751*
Foundations I *(CR,ES,TT), 604*
Foundations II *(CR,ES,TT), 604*
Freedom Writer *(PA,WP), 752*
Function Pictures *(CR,TT), 605*
Functional Vocabulary Plus for Windows *(CR,TT), 605*
Fundamental Concepts *(ES,TT), 606*
Futura-TTY *(CI,TD,TL), 181*
Gizmo *(LP,SV,VS), 473*
Grocery Store Words *(AD,LS,TT), 608*
Gus! Multimedia Speech System *(CI,EA,KM,TI), 133*
HAL (Home Automation Link) *(EC,PC,TI), 392*
Half-QWERTY One-handed Keyboard Software *(KM), 342*
HandiCHAT and HandiCHAT Deluxe *(SV,VS), 473*
HandiCODE and HandiCODE Deluxe *(SV,TI), 393*
HandiKEY and HandiKEY Deluxe *(KM), 342*
HandiSHIFT *(KM), 343*
HandiWORD and HandiWORD International *(KM,TA), 343*
Handy Speech Communication Aide *(CI,EA,SS), 134*
HeadMaster Plus *(MT,TI), 393*
HeadMouse *(DR,MT,TI), 394*
Help U Key *(TI), 394*
Help U Keyboard *(TI), 395*
Help U Type *(KM,TA), 344*
Help U Type and Speak *(CI,EA,KM), 135*
Hereward Tracker Ball & Joystick Module *(MT,TI), 395*
Hierarchical Attention Training *(CR,LS,TT), 608*
HomeAccess *(EC,PA), 283*
Homographs *(CR,LS,TT), 609*
Homophones *(CR,LS,TT), 609*
I Can Speak *(CI,EA), 136*
IBM Screen Reader/2 *(SV,VS), 474*
IBM Screen Reader/DOS *(SV,VS), 474*
IBM-VBII *(BR,PA), 753*
Icontroller *(MT,TI), 396*
Improving Your Self-Concept *(TT), 611*
IN-CUBE Voice Command for Windows, NT *(RS,TI), 397*
Inferential Naming for Cognitive and Language Disorders *(CR,LS,LT,TT), 611*
Inferential Naming Plus for Windows *(CR,TT), 612*
Information Signs *(AD,LS,LT,TT), 612*
Initial Phoneme Cuing for Aphasics *(CR,TT), 613*
INKA *(BT), 513*
Input Adapter *(IA), 456*
Instant Access *(TI), 397*
IntelliKeys *(TI), 398*
IntelliTalk *(CI,EA,PA), 137*
IntroVoice V *(TI), 398*
IntroVoice VI *(SS,TI), 399*
JAWS for Windows *(SV,VS), 475*
JAWS Screenreader *(SV,VS), 476*
JDN Shorthand (5073) *(KM,TA), 346*
Job Readiness Series *(AS,TT,VO), 614*
Job Seeking Series *(LS,TT,VO), 615*

Job Success Series *(TT,VO), 615*
Jouse *(MT,TI), 400*
Joystick to Mouse Driver *(MT,TI), 400*
Joystick Trainer *(TR,TT), 616*
Judy Lynn PC Adapter *(IA), 457*
JustVoice *(TI), 401*
K-U-I *(MT,TI), 401*
KeyAbility *(KM), 346*
Keyboard Expander *(IA), 458*
Keyboard Interfaces *(IA,KE), 458*
Keyboarding by Ability *(ED,KB,TT), 617*
Keyboarding for Individual Achievement *(ED,KB,TT), 617*
Keyboarding for People with Cerebral Palsy *(ED,KB,TT), 618*
Keyboarding with One Hand *(ED,KB,TT), 619*
Keycache *(KM,TA), 348*
KeyGuard *(KG,KM), 349*
Keyguard *(KG,KM), 349*
Keynote GOLD *(SS), 532*
Keyport 176 *(TI), 403*
Keyport 300 *(TI), 404*
Keyport 60 *(TI), 404*
KeyREP *(KM,TA), 351*
Keysoft *(CN,PA,SV,WP), 754*
KeyStopper *(KM), 352*
Keyterm *(PA,SV,TL), 754*
KeyWiz *(KM,TA), 352*
Kinesis Ergonomic Keyboard *(RS,TI), 405*
King Keyboard (2440) *(TI), 405*
KTS Braille Display *(BR,BT), 514*
Kurzweil VOICE *(TI), 406*
Kurzweil VOICE for Windows *(TI), 406*
Large Print Word Processors *(LP,PA,WP), 755*
Large-Type Display Utility Software *(LP,MG), 497*
Laser Optic Keyboard *(CI,TI), 407*
Learning Activity Packets (LAPs) *(CN,LS,TT,VO), 621*
Learning How to Learn Series *(LS,TT), 621*
Learning to Count *(CN,TT), 622*
Lens 2.03 *(MG), 497*
Less, More, Make Equal *(CN,CR,TT), 623*
Let's Go to the Circus *(LT,TT), 624*
LIAISON *(EC,KE,PC,TI), 407*
Liberator *(CI,CN,EA,EC,PW,TI), 137*
LightBoard *(TI), 408*
Listen for Windows *(ID,TI), 409*
Lite Talk *(SS), 532*
Logi *(CR,TT), 627*
LP-DOS & LP-Windows *(LP,MG), 498*
MacroMaster/pro *(KM,TI), 411*
Magic *(CR,TT), 628*
MAGic and MAGic Deluxe *(LP,MG), 498*
Magic Fingers *(KM,TA), 354*
Magic Wand Keyboard with McKey Mouse Option *(TI), 412*
Magnum Deluxe *(MG), 499*
Magnum GT *(LP,MG), 499*
Maltron Keyboard *(TI), 412*
Mastering Personal Information (MPI) *(AD,CR,TT), 629*
MasterTOUCH *(BT,SV), 515*
Math Max *(CN,CR,GA,TT), 630*
Medical Words *(AD,LS,TT), 631*
MegaDots *(BR,LP,PA), 757*
Memory for Animated Sequences Plus for Windows *(CR,TT), 632*
Memory I *(CR,ES,LS,TT), 632*
Memory II *(CR,ES,LS,TT), 633*
Messenger-IC *(SS,SV), 533*
Meta4 *(CI,EA), 143*
MIC300i Computer Modem *(PC,TD,TL), 184*
MICE *(MT,TI), 413*
Micro Guide to Careers Series *(TT,VO), 633*
Micro IntroVoice *(SS,TI), 413*
Micro IntroVoice II *(SS,TI), 414*
Micro-LADS and Micro-LADS in French *(LT,TT), 634*
MicroBraille 2 *(BR,PA,WP), 758*
Microsoft Natural Keyboard *(RS,TI), 414*
Microsoft Windows Sound System *(TI), 415*
MIKE (Mouse Interface & Keyboard Emulation) *(MT,TI), 415*
Mind Castle I and II *(GA,LS,TT), 635*
Mini Keyboard (2443 or 2450) *(TI), 416*
Mini Transport II *(SS), 533*
Mini-Keyboards *(TI), 416*
Minimal Contrast Stories Plus for Windows *(ST,TT), 635*
Minimal Motion Computer Access System *(TI), 417*
Minspeak Application Programs (MAP) *(CI,PA), 759*
Morse Code WSKE II *(TI), 418*
Morsek Version 1.1 *(TI), 418*
Mountbatten Brailler *(BR,BT,PW), 516*
Mouse Keys *(TI), 419*
Mouse-Trak *(MT,TI), 419*
MouseMan Cordless *(MT,TI), 420*
MouseMover - PC Windows (5004) *(MT,TI), 421*
MousePen *(MT,TI), 421*
Multi-SCAN *(GA,TR,TT), 639*
Multiple Meaning Words I Plus for Windows *(LT,TT), 639*
Multiple Meaning Words II Plus for Windows *(LT,TT), 640*
My First Keyboard *(TI), 423*
MY HOUSE: Language Activities of Daily Living *(LS,LT,TT), 641*
My Paint & Talking Coloring Books *(DR,ES,LT,TT), 642*
MY SCHOOL: Language Activites of Daily Living *(LS,TT), 642*
MY TOWN: Language Activities of Daily Living *(LS,LT,TT), 643*
My-T-Mouse *(KE,TI), 424*
Myna *(BR,PW,SV,VS), 478*
NAMES *(BR,PA), 760*
Nasometer Model 6200-3 *(AS,ST,TT), 643*
NeuroPage *(AD,CM,CR), 320*
NexCom 300vi & 300ve *(TD), 185*
NOHOLD *(KM), 356*
NOMAD Talking Touch Pad & NOMAD Gold *(BT,SV), 516*
NoMouse *(MT,TI), 426*
Noteworthy *(PA,WP), 760*
Notex 486 *(BR,BT), 517*
Numeric Concepts I and II *(LS,TT), 644*
Octobus *(CN,CR,LS,TT), 645*
OfficeTALK for Windows *(TI), 426*
Ohtsuki BT-5000 Braille/Print Printer *(BR,BT), 517*
OmniKey Keyboards *(KM), 357*
On the Job Series - Career Interests *(TT,VO), 646*
On the Job Series - Communication Skills *(TT,VO), 647*
On the Job Series - Mathematics *(CN,TT,VO), 647*
On the Job Series - Problem Solving Skills *(TT,VO), 648*
One Access *(IA,TI), 427*
One-Hand Keyboard Package *(KM), 358*
OneStrk *(TI), 428*
Open Book Unbound *(VS), 479*
Opening Windows *(KB,TT), 649*
Opposites and Similarities Plus for Windows *(CR,TT), 649*
Optimouse *(MT,TI), 428*
Order Processing *(TT,VO), 650*
outSPOKEN for Windows *(SV,VS), 480*
PAL *(KM,TA), 358*
Panorama *(LP,MG), 500*
Paragon Braille Printer *(BR,BT), 518*
PC Braille *(BR,PA), 761*
PC Typer *(KB,TT), 652*
PC-TRAC *(MT,TI), 429*
PCMaster & Windows Master *(BR,IA,SV,VS), 460*
PECK Computer Software *(KM), 359*
Pen Style Mouse *(MT,TI), 430*
Personal Development Software Series *(LS,TT), 652*
Phone Manager *(EC,PA,PC), 288*
Phone-TTY CM-4 Computer Modem *(CI,PC,TD,TL), 187*
PhoneAccess *(EC,PC), 289*
Pick 'n Stick on Disk *(NA), 99*
Picture Braille *(BR,PA), 761*
Picture Identification Plus for Windows *(CR,TT), 654*
Picture Naming Plus for Windows *(CR,TT), 655*
Picture Perfect *(DR,PA,RE), 762*
Picture Scanner *(TR,TT), 655*
Picture/Theme Disks *(TR,TT), 656*
Pictures Programs: I, II and III *(CR,ES,LS,TT), 656*
PKD 84 and 101 *(TI), 430*
PortaPoint *(MT,TI), 431*

Positron Express *(CI,TD,TL), 188*
Powerama *(LP,MG), 501*
PowerKey Software for IBM *(TI), 431*
PowerPad *(DR,RE,TI), 432*
PowerPad Starter Kit *(TI), 432*
PowerSwitch *(IA), 461*
PRD+ (Productivity Plus) Basic Edition *(KM,TA), 360*
Prefix *(CN,CR,TT), 659*
Prefix *(KM), 360*
Problem Solving I *(CR,TT), 661*
ProKey *(KM,TA), 361*
ProPoint *(MT,TI), 434*
Proportional Keystroke Scanner *(TI), 434*
Protalk23 for Windows *(SV,VS), 480*
PROVOX *(SV,VS), 481*
PROXi *(EC,PC), 290*
Race the Clock *(GA,RE,TT), 662*
RAPIDTEXT *(PA), 763*
Reading a Ruler - English & Metric *(CN,TT,VO), 664*
Reading AdvantEdge *(VS), 481*
Reading Comprehension for Adolescents *(CR,TT), 664*
Reading Horizons *(ED,ES), 725*
RemotePoint *(MT,TI), 436*
Rhyming Pictures *(CR,TT), 665*
Safety Signs *(AD,LS,LT,TT), 667*
Scanning WSKE II *(TI), 437*
ScanTELL *(VS), 482*
ScottBridge Speech Access System *(TI), 438*
Screen Magnifier/2 *(LP,MG), 501*
ScreenPower *(SV,VS), 482*
ScreenPower for Windows *(SV,VS), 483*
SeeBEEP *(PA), 764*
Seekline *(SV,VS), 483*
Select-Ease Keyboard *(RS,TI), 439*
Semantic Development Using Code Breaking Strategies *(LS,LT,TT), 670*
Sentence Master *(LS,TT), 671*
Serial Trackball and PS/2 Trackball *(MT,TI), 439*
SIDD (Software Interface for the Deaf and Disabled) *(CI,TD,TL), 189*
Simple Sentence Structure *(ES,LT,TT), 673*
Slimware *(SV,VS), 484*
Slimware Window Bridge *(SV,VS), 484*
SmarTalk *(SS), 534*
SofType *(TA,TI), 440*
Sorting by Category Plus for Windows *(CR,TT), 676*
Sounding Board *(SS), 535*
Speak Out VOILA *(LP,MG,SV,TI,VS), 440*
Speak-Out *(SS), 535*
Speaqualizer Speech Access System *(SV,VS), 485*
SpeechViewer II *(ST,TT), 678*
Spell-A-Word & 2+2 *(CN,ED,LS), 727*
SS-ACCESS! *(IA), 462*
Step On It! Computer Control Pedals *(KM), 363*
Steps for Career Choice *(TT,VO), 678*
Stickey *(KM), 364*
Studio4 *(CR,TT), 680*
Subtle Messages *(SI,TT), 680*
Survival Words *(AD,AS,LS,LT,TT), 681*
Switch Art *(ES,TT), 683*
Switch-Adapted Mouse (SAM) *(MT,TI), 442*
SwitchMouse *(MT,TI), 443*
Synergy Integrated Remote *(EC,PA), 298*
SynergyMac and SynergyPC *(CI,PW,TI), 444*
SynPhonix 210 and 215 *(IA,SS), 536*
SynPhonix P27 *(SS), 537*
Talk-to-Me Tutorial Cassettes, *551*
Talking Data Acquisition System Software *(PA), 765*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT), 686*
Talking Screen *(CI,EA,PA), 156*
Talking Screen for Windows *(CI,EA,PA), 157*
TalkTime with Tucker *(ST,TT), 688*
TEAM *(EC,PA), 299*
Teenage Switch Progressions *(TT), 689*
Telling Time *(AD,CR,TT), 689*
Tempo for Windows *(KM,TA), 365*
TextGrabber *(PA), 768*
THINKable/DOS *(CR,TT), 690*
Tinytalk *(SV,VS), 486*
TouchWindow *(DR,DS,ID,RE,TI,WP), 444*
Trace Math Aid *(CN,ED,PA), 769*
TrackMan Live! *(MT,TI), 445*
TrackMan Voyager *(MT,TI), 446*
Traffic Signs Plus for Windows *(AD,TT), 694*
Trak101 Keyboard *(MT,RS,TI), 446*
TranSend System *(BR,BT), 522*
Transportation Signs *(AD,LS,LT,TT), 694*
TurboBraille *(BR,PA), 769*
Turn-Talking *(CI,TR,TT), 695*
Twenty Categories *(LS,LT,TT), 696*
U-Control *(EC), 302*
Understanding Attributes *(CR,TT), 697*
Uni-Key *(KM), 367*
Vantage CCD *(LP,MG), 502*
VCS 3500 with TDD Software *(CI,TD,TL), 196*
Verb Fill-Ins *(CR,TT), 698*
Verbal Analogies *(LS,LT,TT), 698*
Verbal Analogies Plus for Windows *(LT,TT), 699*
Vertical *(RS,TI), 448*
Video Voice Speech Training System *(ST,TT), 699*
VisAbility *(LP,PA), 771*
Visi-Pitch Model 3300 *(ST,TT), 700*
VisionKey *(EA,TI), 158*
Vista *(LP,MG), 502*
Visual Confrontation Naming Plus for Windows *(CR,TT), 700*
Visual Memory Plus for Windows *(CR,TT), 701*
Visual Motor Skills *(ES,TT), 701*
Visual Pattern Memory Plus for Windows *(CR,TT), 702*
Visuospatial Skills I *(CR,TT), 702*
Visuospatial Skills II *(CR,TT), 703*
Vocal-Eyes *(SV,VS), 487*
Voice Mouse/Keyboard (VMK) Controller *(TI), 448*
Voice User *(RS,TI), 449*
VoiceCard *(SS), 538*
Vortex Machine Assisted Reader Software *(LS,TT), 703*
VT520 Terminals - Accessibility Features *(KM), 367*
Wheels On The Bus I, II, III *(ES,TR,TT), 704*
Win Vision *(SV,VS), 488*
WinDOTS *(BR,PA), 771*
Window-Eyes *(SV,VS), 488*
WinKing Keyboard (2448F, 2448Q) *(TI), 449*
WINKLiNE *(SV,VS), 489*
WinMini Keyboard (2447F, 2447Q) *(MT,TI), 450*
WinSCAN: Limited Edition *(IA), 464*
WinTalk *(CI,TD,TL), 196*
Wish Writer *(PA,WP), 772*
WiViK 2.0 (Windows Visual Keyboard) *(TA,TI), 450*
WiVox *(PA,WP), 772*
Word Association Plus for Windows *(CR,TT), 706*
Word Order in Sentences *(LS,LT,TT), 706*
Word Order Plus for Windows *(LT,TT), 707*
Words and Concepts I, II, III *(LS,LT,TT), 707*
WordScholar *(SV,VS), 489*
WriteAway *(PA,TA,WP), 774*
WSCC (Washington State Cooperative Curriculum) *(LS,TT), 709*
X-10 Home Control Interface *(EC), 306*
Zero to Five *(ED,LS), 734*
ZoomCaps *(KM), 369*
ZoomText 5 *(LP,MG), 503*

IBM PC jr

This list includes only products which specifically work with the IBM PC jr. Products which also work with other IBM PCs will appear here and under "IBM PC Family."

Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT), 568*
COINSNKEYS *(CN,ES,KB,TT), 577*
Muppet Learning Keys *(GA,ID,TI), 423*

Numeric Concepts I and II *(LS,TT)*, *644*
Picture Perfect *(DR,PA,RE)*, *762*
Race the Clock *(GA,RE,TT)*, *662*

IBM PS/2 Family

This list includes products which work with all of the IBM Personal System/2 computers. It also includes any products for which the manufacturer has not provided model-compatibility information. Products which only work with specific models are listed under those models.

1-Key *(KM)*, *331*
AbleOffice, *541*
Accent-MC *(SS)*, *525*
Access Pack for Microsoft Windows *(IA,KM,MT,TI)*, *331*
AccessDOS *(IA,KM,MT,TI)*, *332*
ALVA Braille Terminals *(BR,BT)*, *507*
Artic TransPort *(SS,SV)*, *526*
BallPoint Mouse *(MT,TI)*, *377*
BookWise *(VS)*, *468*
Braille-Talk *(BR,PA,SV)*, *742*
BRAILLEX-2D *(BR,BT)*, *509*
Breakthru Box *(TI)*, *379*
Breath Input Device, *207*
Captain's Log: Cognitive Training System *(AS,CR,ES,LS,TT)*, *568*
Cirque GlidePoint Trackpads *(MT,TI)*, *380*
Community Signs *(AD,LS,LT,TT)*, *580*
CompuDesk HCP, *543*
DARCI TOO *(TI)*, *382*
DOS Tape, *545*
Dvorak Computer Keyboard *(KM)*, *337*
Echo PCII *(SS)*, *530*
Echo-PC *(SS)*, *531*
Employment Signs *(AD,LS,LT,TT)*, *594*
ErgoLogic Model 7.1 Keyboard *(RS,TI)*, *384*
Expanded Keyboard for IBM Computers *(KG,TI)*, *385*
Expanded Numeric Keypads *(TI)*, *386*
Expert Mouse *(MT,TI)*, *387*
ezScan *(TI)*, *388*
FastTRAP *(MT,TI)*, *389*
Filch *(KM)*, *341*
Finish Line *(PA,TA)*, *751*
First Categories *(ES,LS,LT,TT)*, *599*
FormMate *(PA)*, *751*
GEWA FTB 108 Enlarged Keyboard *(TI)*, *391*
GEWA METB 121 Reduced Size Keyboard *(TI)*, *391*
Gizmo *(LP,SV,VS)*, *473*
HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, *473*
HandiCODE and HandiCODE Deluxe *(SV,TI)*, *393*
HandiKEY and HandiKEY Deluxe *(KM)*, *342*
HandiSHIFT *(KM)*, *343*
HandiWORD and HandiWORD International *(KM,TA)*, *343*
HeadMaster Plus *(MT,TI)*, *393*
HeadMouse *(DR,MT,TI)*, *394*
Help U Key *(TI)*, *394*
Help U Keyboard *(TI)*, *395*
Help U Type *(KM,TA)*, *344*
Help U Type and Speak *(CI,EA,KM)*, *135*
Hereward Tracker Ball & Joystick Module *(MT,TI)*, *395*
IBM Screen Reader/2 *(SV,VS)*, *474*
Icontroller *(MT,TI)*, *396*
Information Signs *(AD,LS,LT,TT)*, *612*
IntelliKeys *(TI)*, *398*
IRIS Reading Interface 3.0 *(SV,TI)*, *399*
JAWS Screenreader *(SV,VS)*, *476*
Judy Lynn PC Adapter *(IA)*, *457*
Keycache *(KM,TA)*, *348*
Keyguard *(KG,KM)*, *349*
Keysoft *(CN,PA,SV,WP)*, *754*
Keyterm *(PA,SV,TL)*, *754*
King Keyboard (2440) *(TI)*, *405*
Large-Type Display Utility Software *(LP,MG)*, *497*
Liberator *(CI,CN,EA,EC,PW,TI)*, *137*
MacroMaster/pro *(KM,TI)*, *411*
Magic Wand Keyboard with McKey Mouse Option *(TI)*, *412*
Magnum GT *(LP,MG)*, *499*
Maltron Keyboard *(TI)*, *412*
MIC300i Computer Modem *(PC,TD,TL)*, *184*
Mini Keyboard (2443 or 2450) *(TI)*, *416*
Mini-Keyboards *(TI)*, *416*
MiniErgo-MF2 *(KM,RS,TI)*, *417*
Minspeak Application Programs (MAP) *(CI,PA)*, *759*
Mouse-Trak *(MT,TI)*, *419*
MousePen *(MT,TI)*, *421*
Muppet Learning Keys *(GA,ID,TI)*, *423*
MyKey *(MT,RS,TI)*, *424*
NeuroPage *(AD,CM,CR)*, *320*
Numeric Concepts I and II *(LS,TT)*, *644*
Panorama *(LP,MG)*, *500*
PC-TRAC *(MT,TI)*, *429*
PKD 84 and 101 *(TI)*, *430*
Powerama *(LP,MG)*, *501*
ProPoint *(MT,TI)*, *434*
Safety Signs *(AD,LS,LT,TT)*, *667*
SeeBEEP *(PA)*, *764*
Serial Trackball and PS/2 Trackball *(MT,TI)*, *439*
Step On It! Computer Control Pedals *(KM)*, *363*
Survival Words *(AD,AS,LS,LT,TT)*, *681*
SwitchMouse *(MT,TI)*, *443*
SynPhonix 310 and 315 *(SS)*, *536*
T-TAM Keyboard and Mouse Emulator *(EA,IA,KM,MT,TI)*, *463*
Talking Nouns, Talking Nouns II, and Talking Verbs *(CI,TR,TT)*, *686*
Trackball Pro *(MT,TI)*, *445*
Transportation Signs *(AD,LS,LT,TT)*, *694*
Vocal-Eyes *(SV,VS)*, *487*
WiViK 2.0 (Windows Visual Keyboard) *(TA,TI)*, *450*
Words and Concepts I, II, III *(LS,LT,TT)*, *707*
ZoomText 5 *(LP,MG)*, *503*

IBM PS/2 Models 25/30

This list includes products which work with the IBM PS/2 Model 25 and/or Model 30. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 25 or 30, and also with certain other models, it would appear here and under those other models.

Core Reading and Vocabulary Development *(ED,LS,LT,TT)*, *583*
Infovox 500, 700 & 750 *(SS)*, *531*
Keyboard Expander *(IA)*, *458*
Proportional Keystroke Scanner *(TI)*, *434*
Slimware *(SV,VS)*, *484*
Sounding Board *(SS)*, *535*
Speaqualizer Speech Access System *(SV,VS)*, *485*
SynPhonix 210 and 215 *(IA,SS)*, *536*

IBM PS/2 Models 50/60

This list includes products which work with the IBM PS/2 Model 50 and/or Model 60. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 50 or 60, and also with certain other models, it would appear here and under those other models.

OsCaR *(TI)*, *429*
Proportional Keystroke Scanner *(TI)*, *434*

IBM PS/2 Models 70/80

This list includes products which work with the IBM PS/2 Model 70 and/or Model 80. If a product works with all of the PS/2 models, it would not be listed here, but would appear under "IBM PS/2 Family." If it works with the Model 70 or 80, and also with certain other models, it would appear here and under those other models.

OsCaR *(TI)*, 429

ITT

This list includes products which have been specifically described by their manufacturers as working with ITT computers.

HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342
HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
SeeBEEP *(PA)*, 764

NEC (some or all models)

This list includes only products which are designed specifically to work with particular models of NEC computers. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

Filch *(KM)*, 341
HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342
HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
SeeBEEP *(PA)*, 764

Nintendo

This list includes devices which are specifically capable of controlling Nintendo games.

Nintendo & Super Nintendo Joystick Module *(RE,TI)*, 425
PlayMAGIC *(IA)*, 460

Sun Microsystems SPARCstation

Hereward Tracker Ball & Joystick Module *(MT,TI)*, 395
IN-CUBE Voice Command for SPARC Stations *(TI)*, 396
Kinesis Ergonomic Keyboard *(RS,TI)*, 405
Mouse-Trak *(MT,TI)*, 419
Trackball Pro *(MT,TI)*, 445

Tandy 1000

This list includes only products which are designed specifically to work with the Tandy 1000 computer. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342
HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
SeeBEEP *(PA)*, 764

Texas Instruments TI 99/4A

This list includes products which are specifically designed to work with the Texas Instruments TI 99/4A computer.

Audible Cursor Routine *(CI,EA,PA,TR)*, 121
Communication Programs *(CI,EA,EC,TR)*, 124
Custom Keyguard *(KG,KM)*, 336
Geometric Figures and Spatial Concepts *(ED,ES)*, 720
Keyboarding Program with Voice Output *(KB,TT)*, 618
Learning the Alphabet *(ED,ES)*, 722
Program for Aphasics *(CR,ED,LS)*, 724
Telling Time, Parts of the Face, Learning Colors *(ES,TT)*, 690

Toshiba Laptops

This list includes only products specifically designed to work with particular models of Toshiba laptop computers. Software and hardware designed to work with any MS-DOS computer will be listed under "IBM-PC Family."

AudScan II *(CI,EA)*, 121
Filch *(KM)*, 341
HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342
HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
Keynote GOLD *(SS)*, 532
PC-TRAC *(MT,TI)*, 429
SeeBEEP *(PA)*, 764
Slimware *(SV,VS)*, 484
Sounding Board *(SS)*, 535
SoundProof *(SV,VS)*, 485

TRS-80 Color Computer

This list includes products which specifically work with the TRS-80 Color Computer. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

H:1 Handicapped Word Games *(ED,GA,LS,PA,RE)*, 752
H:2 Handicapped Arithmetic Flash Cards *(CN,ED,LS,RE)*, 721

TRS-80 Model 100

This list includes products which specifically work with the TRS-80 Model 100. If a product works with other specific models, it will be listed under those other models as well. If it works with ALL TRS-80 computers, it will be listed under "TRS-80 Family," and not here.

HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342
HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
SeeBEEP *(PA)*, 764

TRS-80 Model 200

This list includes products which specifically work with the TRS-80 Model 200. If a product works with other specific models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

HandiCHAT and HandiCHAT Deluxe *(SV,VS)*, 473
HandiCODE and HandiCODE Deluxe *(SV,TI)*, 393
HandiKEY and HandiKEY Deluxe *(KM)*, 342

HandiSHIFT *(KM)*, 343
HandiWORD and HandiWORD International *(KM,TA)*, 343
SeeBEEP *(PA)*, 764

TRS-80 Model I

This list includes products which specifically work with the TRS-80 Model I. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Cogrehab Vol. 2 *(CR,LS,TT)*, 574
Cogrehab Vol. 3 Version 2.0 *(CR,LS,TT)*, 575

TRS-80 Model II

This list includes products which specifically work with the TRS-80 Model II. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Drive to Live *(ED,LS)*, 716

TRS-80 Model III

This list includes products which specifically work with the TRS-80 Model III. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it will be listed under "TRS-80 Family," and not here.

Cogrehab Vol. 2 *(CR,LS,TT)*, 574
Cogrehab Vol. 3 Version 2.0 *(CR,LS,TT)*, 575
Core Reading and Vocabulary Development *(ED,LS,LT,TT)*, 583

TRS-80 Model IV

This list includes products which specifically work with the TRS-80 Model IV. If a product works with other specific TRS-80 models, it will be listed under those other models as well. If it works with ALL TRS-80 models, it would be listed under "TRS-80 Family," and not here.

Cogrehab Vol. 2 *(CR,LS,TT)*, 574
Cogrehab Vol. 3 Version 2.0 *(CR,LS,TT)*, 575
Core Reading and Vocabulary Development *(ED,LS,LT,TT)*, 583

Index 5

Manufacturers Listed with their Products

This index includes the name, address, phone and a list of products for every manufacturer in the ResourceBook. Manufacturers are listed alphabetically. The page location for each of the manufacturer's products follows the product name. The index provides the necessary contact information on the manufacturers, and also allows you to locate a product description when all you know is the name of a manufacturer.

A4 Tech (USA) Corporation
20254-56 Paseo Robles, Walnut, CA 91789
(909) 468-0071
FAX (909) 468-2231

- Cordless WinMouse, *381*
- First-Finger WinTrack, *390*
- Pen Style Mouse, *430*

Abacus
5370 52nd Street, SE, Grand Rapids, MI 49512
(616) 698-0330
(800) 451-4319
FAX (616) 698-0325

- NoMouse, *426*

AbiliTech Inc.
P.O. Box 635, Thief River Falls, MN 56701
(218) 681-5766
FAX (218) 681-6405

- AbiliTech Commander IR, *263*
- AbiliTech Commander X-10, *264*
- AbiliTech Communicator, *264*
- AbiliTech Home Control System, *265*

Ability Center of Greater Toledo
Rehabilitation Technology Department, 5605 Monroe Street, Sylvania, OH 43560
(419) 885-5733
TT/TDD (419) 885-5733
FAX (419) 882-4813

- Roll & Slide Keyboard Wrist Support, *362*

Ability Research, Inc.
P.O. Box 1721, Minnetonka, MN 55345
(612) 939-0121
FAX (612) 890-8393

- ActionVoice, *118*
- LightBeam, *23*
- LightBoard, *408*
- LightSwitch, *229*

Ability Systems Corporation
1422 Arnold Avenue, Roslyn, PA 19001
(215) 657-4338

- Proportional Keystroke Scanner, *434*

AbleNet, Inc.
1081 10th Avenue S.E., Minneapolis, MN 55414
(800) 322-0956
(612) 379-0956
FAX (612) 379-9143

- Battery Device Adapter, *32*
- Big Red, Yellow, Green, and Blue, *206*
- BIGmack, *122*
- Computer Switch Interface, *455*
- Internal I/O Port Adapter, *457*
- Jelly Bean, *224*
- PigTail Adapters, *50*
- PowerLink 2, *290*
- Series Adapter, *54*
- Slide Projector Control, *55*
- Slim Armstrong, *172*
- SpeakEasy, *152*
- Specs Switch, *248*
- String Switch, *250*
- Switch Latch and Timer, *57*
- Universal Switch Mounting System, *175*

Academic Software, Inc.
331 West Second Street, Lexington, KY 40507
(606) 233-2332
(800) 842-2357
FAX (606) 231-0725
asiwel@aol.com

- Analog Switch Pad, *204*
- Dino-Games, *588*
- Multi-SCAN, *639*
- Picture Icon X-CHANGE, *146*
- SS-ACCESS!, *462*
- Universal Adaptive Switch System, *256*
- WinSCAN: Limited Edition, *464*

Access Systems International, LTD
415 English Avenue, Monterey, CA 93940
(408) 375-5313

- BrailleAccess, *509*
- Index Basic, *512*
- Index Basic-D, *512*
- Index Everest-D, *513*

Access Technology
1435 N. Meridian, Indianapolis, IN 46202
(317) 686-6093
FAX (317) 686-6094

- SofType, *440*

Access to Recreation, Inc.
2509 East Thousand Oaks Boulevard, Suite 430, Thousand Oaks, CA 91362
(800) 634-4351
FAX (805) 498-8186

- Personal Pager, *322*
- Slip-On Typing Aid, *25*

Access Unlimited
3535 Briarpark Drive #102, Houston, TX 77042
(713) 781-7441
(800) 848-0311
FAX (713) 781-3550

- Audio Braille Game Tutorial, *560*
- Sharon's Programs, *726*
- Spell-Talk, *728*
- Spelling Tutor, *728*
- Spin and Spell, *729*
- Study Buddy, *730*

Acrontech International, Inc.
Williamsville Executive Center, 5500 Main Street, Williamsville, NY 14221
(716) 854-3814

- Comtel, *544*

ACS Communications
250 Technology Circle, Scotts Valley, CA 95066
(800) 995-5500

- ACS Headsets, *267*

ACS Technologies, Inc.
1400 Lee Road, Coraopolis, PA 15108
(800) 227-2922

- Controller, *272*
- DAC, *126*
- EvalPAC with RealVoice, *131*
- HX-20 Protective Cover, *345*
- Light Pointer, *22*
- On/Off Adaptor Switch, *357*
- Quick 'n Easy 2, *172*
- RealVoice, *147*
- Reinforced Keyguard, *362*
- ScanPAC, *150*
- Twinkle Switch, *255*

AdapTek Interface
4832 E. Mercer Way, Mercer Island, WA 98040
(206) 230-0076
FAX (206) 230-0076
adap2u@eskimo.com
WWW:
http://www/eskimo.com/~jlubin/adaptek

- Adap2U, *373*

Adaptivation, Inc.
ISU Research Park, 2501 North Loop Drive, Ames, IA 50010
(515) 296-7171
(800) 723-2783
FAX (515) 296-9910
adaptaac@aol.com

- FreeSwitch, *279*
- LinkSwitch, *47*
- Personal Pager, *323*
- Taction Pads, *251*
- Vibration Switch, *257*
- VoicePal, *160*
- VoicePal Plus, *160*

Advanced Gravis Computer Technology Ltd.
111-7400 MacPherson Avenue, Burnaby, BC V5J 5B6 CANADA
(604) 431-5020
(800) 663-8558
FAX (604) 431-5155

- MouseStick II, *422*

Advanced Input Devices
W. 250 A.I.D. Drive, Coeur d'Alene, ID 83814
(208) 765-8000
(800) 444-5923
FAX (208) 772-7613

- PKD 84 and 101, *430*

Advanced Peripheral Technologies
14416 Erin Court, Lockport, IL 60441
(708) 301-4508

- VX-5000 Cordless Phone, *305*

Affinity Micro Systems, LTD
934 Pearl Street, Suite H, Boulder, CO 80302
(800) 367-6771
(303) 442-4840
affinity@henge1.henge.com

- Tempo for Windows, *365*
- Tempo II Plus, *365*
- TempoEZ, *366*

AI Squared
P.O. Box 669, Manchester Center, VT 05255-0669
(802) 362-3612
FAX (802) 362-1670

- VisAbility, *771*
- ZoomText 5, *503*

Aicom Corporation
1590 Oakland Road, Suite B112, San Jose, CA 95131
(408) 453-8251
FAX (408) 453-8255
- Accent-MC, *525*
- Accent-PC, *525*
- Accent-SA, *526*
- Messenger-IC, *533*

AJ Weiner/New England Computer Products
88 North Main Street, Randolph, MA 02368
(800) 634-6692
MA (617) 963-9313
- MacroMaster/pro, *411*

AllMed Inc.
297 High Street, Dedham, MA 02026
(617) 329-2900
(800) 225-2610
- Articulating Drawers, *332*
- ASER Ergonomic Keyboard Layout, *333*
- Keyboard Wrist Rest, *348*
- Notebook Computer Wrist Rest, *356*

Altra
520 W. Cedar Street, Rawlins, WY 82301
(307) 328-1342
FAX (307) 328-1346
- Felix, *389*

American Printing House for the Blind (APH)
P.O. Box 6085, Louisville, KY 40206-0085
(502) 895-2405
(800) 223-1839
- APH Presents the Talking Apple Computer, *558*
- APH Scientific Calculator: for Apple II Computers, *737*
- APH/SEI Talking Software, *713*
- Apple IIGS Owner's Guide: Disk Edition, *542*
- AppleWorks Manuals: Special Editions, *542*
- Braille 'n Speak Classic, *469*
- Brailled Keyboard Model--Apple IIe, *543*
- Brailled Keyboard Overlay for the Apple IIGS, *334*
- Echo II with Textalker & Echo II with Textalker-GS, *472*
- Elementary Volume 1 - Mathematics, *718*
- Food Facts, *603*
- LetterTALK+, *625*
- NOMAD Talking Touch Pad & NOMAD Gold, *516*
- Opening Windows, *649*
- PC Typer, *652*
- Picture Braille, *761*
- Portable Sound Source II, *51*
- Prefixes, *723*
- Sensible Speller: Talking APH Edition, *725*
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- Companion 401 Communicator, *125*
- Cooper-Rand Electronic Speech Aid, *4*
- Denrick Speech Aid, *4*
- Finger Flex Switch, *218*
- HD Latching Pneumatic Switch, *221*
- Headband Switch, *223*
- LD Latching Puff Switch, *226*
- Magnetic Finger Switch, *229*
- Mercury Tilt Switch, *231*
- Mini Vox Amplifier, *6*
- Nu-Vois, *7*
- Pressure Switch, *242*
- Rand Voice Amplifier, *8*
- Speech Enhancer 100, 200 & 400, *10*
- Voicette, *12*
- Wireless Personal Pager, *328*

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- APT Automaddak Page Turner System, *268*

F71863 Touchables Touch Phone Attachments, *277*
F73216-100 Page Turner/Keyboard Aid, *17*
H71830 Adjustable Head Pointer, *18*
H73217 Mouth Held Page Turners, *19*

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PROXi, *290*
RevolvingDoors, *437*
Switch-Back, *443*
Telepathic II, *767*

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Early Learning II, *717*
Early Learning III, *717*
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- PhoneAccess, *289*

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- Delay Timer Box, *40*
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Jouse, *400*
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Liberator, *137*
MIKE (Mouse Interface & Keyboard Emulation), *415*
Mini Rocking Lever Switch, *232*
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P-Switch, *235*
Pneumatic Switch, *240*
PRC Joystick, *241*
Scanning Director, *293*
Scanning X-10 Powerhouse, *294*
ScreenDoors, *438*
Single Rocking Lever Switch, *246*
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(508) 668-7424

Synergy Integrated Remote, *298*
SynergyMac and SynergyPC, *444*

Syntha-Voice Computers Inc.
9009-1925 Pine Street, Niagra Falls, NY 14301
(905) 662-0565
(800) 263-4540
BBS (905) 662-0569
FAX (905) 662-0568
help@synthavoice.on.ca
ftp: synthavoice.on.ca

Panorama, *500*
Powerama, *501*
Slimware, *484*
Slimware Window Bridge, *484*

T.V. Raman
(617) 692-7637
raman@crl.dec.com
WWW:
http://www.cr.dec.com/crl/people/biographies/raman.html

Emacspeak, *472*

Tapeswitch Corporation
100 Schmitt Boulevard, Farmingdale, NY 11735
(516) 694-6312
FAX (516) 594-6304

Air Wave Switch, *204*
Controflex Foot Switches, *211*
Controflex Ribbon Switches, *211*
Flexswitch II, *220*
Normally Closed Sensing Cell, *234*
Normally Open Sensing Cells, *234*
Super-Sensitive Normally Open Switch, *250*
Touch Pads, *254*

TASH, Inc.
91 Station Street, Unit 1, Ajax, ON L1S 3H2
CANADA
(905) 686-4129
(800) 463-5685
FAX (905) 686-6895
tashcan@aol.com

Ability Switch Tester (5955), *29*
Bloorview Miniature Keyboard, *379*
Buddy Button (5710-5773), *207*
Call Bell (4500), *314*
Cap Switch (5806), *208*
Comboard (2615), *36*
Cup Switch (5807), *212*
Cylindrical Touch Switch (5300), *213*
Disk Guide (2485), *545*
E.A.S.I.dialer (2110), *274*
Flex Switch (5855), *219*
Governor (2464), *547*
Grasp Switch (5865), *220*
Intercom (4392), *318*
JDN Shorthand (5073), *346*
Joystick with Pad Switch (5012), *225*
Keyguard, *349*
Keylocks, *350*
Keypad (2425), *45*
Kincontrol (4105), *284*
King Keyboard (2440), *405*
Leaf Switch (5860), *227*
MacKing, *409*
MacMini, *410*
Micro Light Switch (5850), *231*
Mighty Mount, *169*
Mini Cup Switch (5808), *232*
Mini Joystick with Push Switch (5020), *232*
Mini Keyboard (2443 or 2450), *416*
MouseMover - Mac (5005), *420*
MouseMover - PC Windows (5004), *421*
Next Page Page Turner (4600), *287*
Penta Switch (5024), *236*
Pillow Switch (5875), *237*
Plate Switch (5830-34), *238*
Pneumatic Switch (5100, 5101), *241*
RELAX (8200), *291*
Rocker Switch (5505), *243*
Round Pad Switch (5805), *244*
Soft Switch (5820, 5821), *247*
Square Pad Switch (5810), *248*
Star Switch (5026), *249*
Switch Latch (4388), *56*
TASH Mounting Parts, *175*
Tip Switch (5840), *253*
Toy Cables (4378, 4379), *60*
Treadle Switch (5880), *255*
Ultra 4 Remote System & Scanning Ultra 4, *302*
VoiceMate, SwitchMate, ScanMate (2701-2708), *64*
Wafer Switch (5018), *258*
WinKing Keyboard (2448F, 2448Q), *449*
WinMini Keyboard (2447F, 2447Q), *450*

Teacher's Institute for Special Education
2947 Bayside Court, Wantagh, NY 11793
(516) 781-2020
FAX (516) 781-4070

Keyboarding by Ability, *617*
Keyboarding for Individual Achievement, *617*
Keyboarding for People with Cerebral Palsy, *618*
Keyboarding with One Hand, *619*

TechnoGenesis, Inc.
P.O. Box 11976, Prescott, AZ 86304-1976
(520) 778-5611
(520) 776-4248
FAX (520) 778-2423

High Tech/Low Cost, *223*

Technology for Language and Learning, Inc.
P.O. Box 327, East Rockaway, NY 11518
(516) 625-4550
FAX (516) 621-3321

Special Education Public Domain Software, *677*

Telcom International
28302 Industrial Boulevard, #H, Hayward, CA 94545
(510) 785-4000

Porta Printer Plus, *187*
PortaView, *188*
TeleView 40 & 80, *193*

TeleSensory Corporation
455 North Bernardo Avenue, P.O. Box 7455, Mountain View, CA 94039
(415) 960-0920
(800) 804-8004

BrailleMate 2, *470*
David, *471*
DM80/FM, *511*
INKA, *513*
Optacon II, *518*
OsCaR, *429*
PowerBraille 40, 65, & 80, *519*
ScreenPower, *482*
ScreenPower for Windows, *483*
TeleBraille III, *193*
Vantage CCD, *502*
VersaPoint-40 Braille Embosser, *522*
Vista, *502*

Temasek Telephone, Inc.
21 Airport Blvd., Suite G, South San Francisco, CA 94080
(415) 875-6666
(800) 647-8887

Sapura S2000 CL, *293*

Tenax Software Engineering
2103 Software Engineering, Suite 141,
Olympia, WA 98502
(360) 866-1686
- Vortex Machine Assisted Reader Software, *703*

TFi Engineering
529 Main Street, Boston, MA 02129
(800) 843-6962
(617) 242-7007
FAX (617) 242-2007
- Myna, *478*

Therapeutic Toys, Inc.
P.O. Box 418, Moodus, CT 06469
(800) 638-0676
- Activity Boxes, *30*
- Body Parts Switch, *206*
- Cushion Switch, *213*
- Grip Switch, *221*
- Plate Switches, *240*
- Signal Buzzer Plate, *246*
- Six Position Activity Box, *55*
- Three Position Activity Box, *58*

TIGER Communication System, Inc.
328 Main Street East, Suite 514, Rochester, NY 14604
(800) 724-7301
- PEACEbook, *97*
- Personal Trainer, *145*
- Specialist, *153*

Tolfa Corporation
1001 N. Rengstorff Avenue, Mountain View, CA 94043
(415) 390-9566
- Lingraphica, *139*

Touch Turner
443 View Ridge Dr., Everett, WA 98203
(206) 252-1541
FAX (206) 259-4390
- Touch Turner, *301*

Toys for Special Children, Inc.
385 Warburton Avenue, Hastings-on-Hudson, NY 10706
(914) 478-0960
(800) 832-8697
- Air Cushion Switch, *203*
- AND Module, *31*
- Apple Computer Input Adapter, *453*
- Battery Interrupter, *33*
- Button Switch, *208*
- Cheap Talk 4 & 8, *124*
- Clear Clock Communicator, *35*
- Clock Communicator, *36*
- Compartmentalized Clock Communicator, *38*
- Compartmentalized Communicator, *38*
- Computer Keyboard Switch, *210*
- Computer Switch Plate, *210*
- Continuous Movement Switch (CMS), *210*
- Counter Module, *39*
- Double Sip & Double Puff Switches, *214*
- Double Touch Switch, *215*
- Dual Clock Communicator, *42*
- Finger Isolation Button, *218*
- Grip & Puff Switch, *220*
- Gripper Prehensor, *18*
- Head Switch, *222*
- Intention Module, *44*
- Intention Switch, *223*
- Invertor Module, *44*
- Joystick, *224*
- Keyboard Covers, *347*
- Leaf Switch, *227*
- Lighted Extra Loud Signalling Buzzer, *319*
- Lighted Signalling Buzzer, *319*
- Lighted Vibrating Signalling Buzzer, *46*
- Multi-Switch Module, *47*
- Music Button, *48*
- Nine Compartment Row/Column Scanner, *48*
- Nine Volt Battery Adapter Module, *49*
- Nintendo & Super Nintendo Joystick Module, *425*
- On/Off Module, *49*
- Overhead Pull Switch, *235*
- Petite Pillow Switch, *236*
- Photocell Switch, *236*
- Pinch Switch, *237*
- Plate Switch, *238*
- Plate Switch On Stand, *239*
- PlayMAGIC, *460*
- Pull Switch, *242*
- Puzzle Switches, *51*
- Rhythm Generator, *52*
- Rocking Plate Switch, *244*
- Roller Switch Music Box, *244*
- Round Clock Communicator, *53*
- Sequential Scanner, *54*
- Shadow Talker, *151*
- Signal Buzzer, *325*
- Signal Switch, *246*
- Single-Appliance Continuous Control Unit, *296*
- Single-Switch Multi-Appliance Control Unit & Modules, *296*
- Single-Switch TV Control Unit, *297*
- Sip & Puff Switch, *247*
- String Switch, *250*
- Switch Module, *153*
- Switch Mounting Hardware, *173*
- Talking Switch Plates, *157*
- Tilt Switch, *252*
- Timer Module, *59*
- Tongue Switch, *253*
- Tubular Vibrator, *62*
- Twitch Switch, *256*
- Ultimate Switch, *256*
- Universal Input Adaptor, *464*
- Universal Module, *63*
- Vertical Plate Switch, *257*
- Vertical Wobble Switch, *257*
- Vibrating Sack, *64*
- Voice Activated Switch, *258*
- Wireless TV & VCR Remote Controls, *306*
- Wobble Switch, *259*

Trace Center
S-151 Waisman Center, 1500 Highland Avenue, Madison, WI 53705
(608) 262-6966
TT/TDD (608) 263-5408
FAX (608) 262-8848
info@trace.wisc.edu
ftp: ftp://ftp.trace.wisc.edu
Gopher: trace.wisc.edu
WWW: http://www.trace.wisc.edu/
- Trace Beeper Box, *61*

Trademark Medical
1053 Headquarters Park, Fenton, MO 63026
(800) 325-9044
FAX (314) 349-3294
- Silent Speaker, *108*

Trask Office Products
31 Maple Street, Brandon, VE 05733
(802) 247-6747
- One-Hand Keyboard Package, *358*

Trident Technologies
3309 Winthrop #85, Fort Worth, TX 76116
(817) 738-2485
- Personal Communication Terminal (PCT), *186*

Typewriting Institute for the Handicapped
3102 W. Augusta Avenue, Phoenix, AZ 85051
(602) 939-5344
- Dvorak Computer Keyboard, *337*
- Dvorak One-Hand Typewriter, *128*

UCLA Microcomputer Project
23-10 Rehabilitation Center, 1000 Veteran Avenue, Los Angeles, CA 90024
(310) 825-4821
FAX (310) 206-7744
- Big/Little I and II, *562*
- Buddy's Body, *566*
- Community Vehicles, *580*
- Dinosaur Game, *589*
- Early Concepts, *590*
- Eency-Weency Spider Game, *593*
- Every Day Is A Holiday, *595*
- Family Fun, *596*
- Fast Food Game, *596*
- Feelings, *597*
- Getting Clean with Herkimer Level I, II, III, *607*
- If You're Happy and You Know It, *610*
- Let's Go Shopping I and II, *624*
- Listen With Your Ears, *626*
- Occupations, *645*
- Old MacDonald's Farm I and II, *646*
- Padded Food, *650*
- Padded Vehicles, *651*
- Paper Dolls I and II, *651*
- Pick-A-Meal, *653*
- Pictalk, *653*
- PowerTalker, *658*
- Rockets to the Moon, *666*
- Scan It - Switch It, *668*
- Seasons, *669*
- Seek & Find, *669*
- Sight Words, *672*
- Silly Sandwich, *673*
- Son of Seek and Find, *676*
- Switch Arcade, *682*
- Switch It - Change It, *683*
- Switch It - See It, *684*
- Tea Party, *688*
- This is the Way We Wash Our Face, *691*
- This Old Man, *691*
- Wheels On The Bus I, II, III, *704*
- Wheels on the Bus I, II, III - Intellipics Activity, *704*
- Wheels on the Bus: COMPLETE, *705*
- Where is Puff?, *705*
- Worm Squirm, *708*
- Zoo Time, *709*

Ultratec, Inc.
450 Science Drive, Madison, WI 53711
(608) 238-5400
- Compact TTY, *180*
- Intele-Modem, *182*
- Minicom IV, *184*
- Miniprint 425, *185*
- Pay Phone TTY, *186*
- Supercom 4400 TTY, *190*
- Superprint 100, 200, 400, *190*
- Superprint 4425, *191*
- Superprint ES TTY, *191*
- TDD Detector, *192*
- Uniphone 1000, *195*
- Watchman Master, *327*

UNITED Educational Services, Inc.
P.O. Box 1099, Buffalo, NY 14224
(800) 458-7900
(716) 853-1287
FAX (716) 853-1287
- Rate Drill in Articulation, Language and Fluency, *663*

USA Company
Lock Box 9669, Marina Del Ray, CA 90295
(310) 397-4217
- AlertCom, *311*

Van Duerr Discovery Industries
426 Broadway, Suite 207, Chico, CA 95928
(800) 597-2003
TT/TDD (916) 893-1560
FAX (916) 893-1560
- Comfortype, *336*

Variety Ability Systems, Inc. (VASI)
3701 Danforth Avenue, Scarborough (Toronto), ON M1N 2G2 CANADA
(416) 698-1415
(800) 891-4514
FAX (416) 698-5860
- Moulded Plastic Wheelchair Tray, *170*

Various (Generic Product)
Sources vary - see product description
- Adapted Telephone Interfaces, *268*
- Amplifiers, *3*
- Calendars, *74*
- Cognitive Rehabilitation Software, *573*
- Communication Symbol Holders, *79*
- Computer Workstation Furniture, *544*
- Custom-Made Switches, *213*
- Digitized Speech Message Machines, *316*
- Environmental Control for Kids, *43*
- Environmental Control Units, *275*
- Ergonomic Keyboard Systems, *384*
- Handheld Computers and Personal Organizers, *133*
- Handpointers, *19*
- Home Control Systems, *282*
- Home Intercom Systems, *317*
- Laptrays, *168*
- Light Pointers, *23*
- Low-Tech Adaption Materials, *168*
- Media Handling Products, *549*
- Memory Button Telephones, *285*
- Portable Telephones, *289*
- Single Switch Software, *675*
- Speaker Phones, *298*
- Switch Mounts, *174*
- Universal Remote Controls, *303*
- Writing Utensil Grips, *113*

Verbex Voice Systems
1090 King Georges Post Road, Building 107, Edison, NJ 08837
(800) 275-8729
- Listen for Windows, *409*

VisuAide
841 Jean-Paul Vincent Boulevard, Longueuil, PQ J4G 1R3 CANADA
(514) 463-1717
FAX (514) 463-0120
- IRIS Reading Interface 3.0, *399*
- Magnum, *477*

Voice Connection
17971 Skypark Circle, Suite F, Irvine, CA 92714
(714) 261-2366
FAX (714) 261-8563
- HAL (Home Automation Link), *392*
- IntroVoice V, *398*
- IntroVoice VI, *399*
- Micro IntroVoice, *413*
- Micro IntroVoice II, *414*

Voice Recognition Technologies
Computer Voice Systems Division, 220 Henley Road, Woodmere, NY 11598-2523
(516) 295-3230
FAX (516) 295-3230
quantalyt@aol.com
- Speech Recognition Systems, *441*

VOILA Technology, Inc.
54 Castle Road, Rochester, NY 14623
(716) 321-1451
- Speak Out VOILA, *440*

Wayne County Regional Education Service Agency
ADAMLAB, 33500 Van Born Road, Wayne, MI 48184
(313) 467-1415
FAX (313) 326-2610
- A.I.P.S. Wolf (Alternate Input Peripheral System), *117*
- BlackHawk, *122*
- Hawk, *134*
- Lynx, *140*
- MegaWolf, *141*
- WhisperWolf, *162*

Western Psychological Services
12031 Wilshire Blvd., Los Angeles, CA 90025
(800) 648-8857
(310) 478-2061
FAX (310) 478-7838
- WPS Loquitur 115 and 250, *65*

WesTest Engineering Corporation
1470 N. Main St., Bountiful, UT 84010
(801) 298-7100
(801) 292-7379
75054.1230@compuserve.com
- DARCI TOO, *382*

Whitmyer Biomechanix, Inc.
848 Blountstown Highway, Suite H, Tallahassee, FL 32304
(904) 575-5510
FAX (904) 576-4798
- Facial Switch, *218*

William K. Bradford Publishing Company, Inc.
16 Craig Road, Acton, MA 01720
(508) 263-6996
- Me Too!, *757*

Williams Sound Corporation
10399 West 70th Street, Eden Prairie, MN 55344
(612) 943-2252
(800) 328-6190
- Speechmaker, *10*

Willow Pond Tools, Inc.
Adaptive Division, P.O. Box 544, Pembroke, NH 03275
(603) 485-2321
FAX (603) 485-2303
- Ergorest Articulated Forearm Rests, *340*
- Generation IV Adjustable Computer Tables, *547*

Words+, Inc.
40015 Sierra Highway, Bldg. B-145, Palmdale, CA 93550
(805) 266-8500
- AudScan II, *121*
- E Z Keys, *339*
- Equalizer, *131*
- Expanded Keyboard Emulator, *340*
- Eyebrow Switch, *217*
- FingerFoniks, *132*
- IST Switch, *224*
- KeyWiz, *352*
- Magic Fingers, *354*
- MessageMate 20, *141*
- MessageMate 40, *142*
- Mini-MessageMate, *144*
- Morse Code WSKE II, *418*
- Pegasus, *145*
- Scanning WSKE II, *437*
- System 2000, *154*
- Talking Screen, *156*
- Talking Screen for Windows, *157*
- U-Control, *302*
- VocaLite, *537*

WorkLink Innovations
2452 Armstrong Street, Livermore, CA 94550
(510) 606-3760
FAX (510) 606-3769
clairca@aol; clairc@ix.netcom.com
- Access-I, *373*

World Communications
245 Tonopah Drive, Fremont, CA 94539
(510) 656-0911
- Freedom Writer, *752*
- Help U Key, *394*
- Help U Keyboard, *395*
- Help U Type, *344*
- Help U Type and Speak, *135*
- I Can Speak, *136*
- Mouse Keys, *419*

X-10 (USA), Inc.
91 Ruckman Road Box 420, Closter, NJ
07624-0420
(201) 784-9700
FAX (201) 284-9464
- RC5000 Radio Home Control System, *291*
- X-10 Home Control Interface, *306*
- X-10 Powerhouse System, *307*

Xerox Imaging Systems, Inc.
9 Centennial Drive, Peabody, MA 01960
(800) 248-6550
- BookWise, *468*
- Reading AdvantEdge, *481*
- Reading Edge, *435*

YES! Entertainment Corporation
3875 Hopyard Road, Suite 375, Pleasanton,
CA 94588
(800) 222-9376
- Yak Bak, *162*

Zygo Industries, Inc.
P.O. Box 1008, Portland, OR 97207
(800) 234-6006
(503) 684-6006
FAX (503) 684-6011
- 4-Plate Switch: CM-15, *201*
- 4-Pneumatic Switch: CM-17, *201*
- 4-Pushbutton Switch: CM-16, *201*
- 4-Switch Joystick: CM-19, *202*
- 5-Pushbutton Switch: CM-18, *202*
- 5-Tread Switch Slot Control: CM-50, *202*
- Adaptive Fixtures Kit, *165*
- Dual Plate Switch: CM-12, *215*
- Dual Pneumatic Switch: CM-14, *215*
- Dual Pushbutton Switch: CM-13, *216*
- Emergency Call Alarm, *317*
- Eye Transfer Communication System, *83*
- GEWA FTB 108 Enlarged Keyboard, *391*
- GEWA METB 121 Reduced Size Keyboard, *391*
- Gewa Page Turner, *280*
- Head Pointers: AD-1, AD-2, AD-3, *20*
- Leaf Switch: CM-2/CM-7, *227*
- Lever Switch: CM-8/CM-9, *228*
- LightWRITER SL35, *138*
- LightWRITER SL5, *138*
- LightWRITER SL85, *139*
- Macaw Series, *140*
- Parrot, *144*
- Plate Switch: CM-10, *239*
- Polycom, *146*
- Pushbutton Switch: CM-11, *243*
- Scribe, *150*
- Secretary, *151*
- Steeper Communication/Teaching Aid, *56*
- Switchboard, *154*
- Telephone Holder & Line Connector, *300*
- Thumb Switch: CM-5, *252*
- Touch Switch: CM-4, *254*
- Toy Adapter Cables: CA-9/CA-12/CA-16, *60*
- Tread Switch: CM-1, *254*

Index 6

Alphabetical Listing of all Products

This index contains an alphabetical listing of every product in the ResourceBook. The name of the manufacturer and page location of the product follow each entry. If you know the name of a product, this index provides a quick way to find out if it is in the ResourceBook.

Index 6: Alphabetical Listing of all PRODUCTS

1-Key *(Neil Squire Foundation).* *331*
101 Animations *(R.J. Cooper & Associates).* *556*
4-Plate Switch: CM-15 *(Zygo Industries, Inc.).* *201*
4-Pneumatic Switch: CM-17 *(Zygo Industries, Inc.).* *201*
4-Pushbutton Switch: CM-16 *(Zygo Industries, Inc.).* *201*
4-Switch Joystick: CM-19 *(Zygo Industries, Inc.).* *202*
5-Pushbutton Switch: CM-18 *(Zygo Industries, Inc.).* *202*
5-Tread Switch Slot Control: CM-50 *(Zygo Industries, Inc.).* *202*
911 Telephone Terminal *(Luminaud, Inc.).* *263*
A.I.P.S. Wolf (Alternate Input Peripheral System) *(Wayne County Regional Education Service Agency).* *117*
AbiliTech Commander IR *(AbiliTech Inc.).* *263*
AbiliTech Commander X-10 *(AbiliTech Inc.).* *264*
AbiliTech Communicator *(AbiliTech Inc.).* *264*
AbiliTech Home Control System *(AbiliTech Inc.).* *265*
Ability Switch Phone Sequencer *(Easy Home Control).* *265*
Ability Switch Tester (5955) *(TASH, Inc.).* *29*
Able-Phone 100WA *(DQP, Inc.).* *266*
Able-Phone 1900 and 2000 *(DQP, Inc.).* *266*
Able-Phone 6000SX *(DQP, Inc.).* *267*
Able2Speak *(Axis Corporation).* *117*
AbleOffice *(CRT, Inc.).* *541*
Abovo PCD *(D.C. & D., Inc.).* *118*
AC Adaptor FRE-103C *(Creative Switch Industries).* *29*
Accent-MC *(Aicom Corporation).* *525*
Accent-PC *(Aicom Corporation).* *525*
Accent-SA *(Aicom Corporation).* *526*
Access Pack for Microsoft Windows *(Microsoft Corporation).* *331*
Access to Math *(Don Johnston Incorporated).* *713*
Access-I *(WorkLink Innovations).* *373*
AccessBliss 2.2 *(Blissymbolics Communication International).* *69*
AccessDOS *(IBM Corporation).* *332*
Accularm *(Hugh MacMillan Rehabilitation Centre).* *311*
ACS Headsets *(ACS Communications).* *267*
ActionVoice *(Ability Research, Inc.).* *118*
Activity Board *(EKEG Electronics Company LTD).* *30*
Activity Boxes *(Therapeutic Toys, Inc.).* *30*
Adap2U *(AdapTek Interface).* *373*
ADAPTA-LAN *(Microsystems Software Inc.).* *374*
Adapted Telephone Interfaces *(Various (Generic Product)).* *268*
Adaptive Firmware Card Model G32e *(Don Johnston Incorporated).* *374*
Adaptive Fixtures Kit *(Zygo Industries, Inc.).* *165*
ADDvox III System *(Stanton Magnetics).* *3*
ADJUSTable *(Northport, Inc.).* *541*
Adjustable EZ Magnifier *(Less Gauss Inc.).* *493*
Adjustable Head Pointer *(Cleo of New York).* *15*
Adjustable Head Pointer *(Fred Sammons, Inc.).* *15*
Adjustable Head Pointer PC 7590 *(Sammons-Preston Corporation).* *16*
Adjustable Pressure Switch *(Nassau Applied Technology Resource Center).* *203*
Adult Switch Progressions *(R.J. Cooper & Associates).* *556*
Adventures of Jimmy Jumper - Prepositions *(Exceptional Children's Software, Inc.).* *557*
Air Cushion Switch *(Toys for Special Children, Inc.).* *203*
Air Cushion Switch (Single or Dual) *(Prentke Romich Company).* *203*
Air Switch *(Nassau Applied Technology Resource Center).* *204*
Air Wave Switch *(Tapeswitch Corporation).* *204*
AlertCom *(USA Company).* *311*
Alphabet Board Kit *(Crestwood Company).* *69*
AlphaPad *(New Breakthroughs).* *70*
AlphaSmart Pro *(Intelligent Peripheral Devices, Inc.).* *375*
AlphaTalker *(Prentke Romich Company).* *119*
ALVA Braille Terminals *(HumanWare, Inc.).* *507*
Amplifiers *(Various (Generic Product)).* *3*
AmTRAC *(Microspeed Inc.).* *375*
Analog Switch Pad *(Academic Software, Inc.).* *204*
AND Module *(Toys for Special Children, Inc.).* *31*
And Or Box *(Creative Switch Industries).* *31*
Antonyms and Synonyms (Cognitive Disorders 12) *(Parrot Software).* *557*
APH Presents the Talking Apple Computer *(American Printing House for the Blind (APH)).* *558*
APH Scientific Calculator: for Apple II Computers *(American Printing House for the Blind (APH)).* *737*
APH/SEI Talking Software *(American Printing House for the Blind (APH)).* *713*
Aphasia Series: I through VIII *(Parrot Software).* *558*
Apple Adjustable Keyboard *(Apple Computer, Inc.).* *376*
Apple Computer Input Adapter *(Toys for Special Children, Inc.).* *453*
Apple IIGS Owner's Guide: Disk Edition *(American Printing House for the Blind (APH)).* *542*
AppleWorks Manuals: Special Editions *(American Printing House for the Blind (APH)).* *542*
Appointment Book *(Attainment Company).* *70*
APT Automaddak Page Turner System *(Maddak, Inc.).* *268*
Arithmetic 1, 2, and 3 with Speech *(Life Science Associates).* *714*
Arm Slot Control *(Prentke Romich Company).* *205*
Armslot Switch Controller ASC-5 *(APT Technology, Inc.).* *205*
Artic TransBook *(Artic Technologies).* *467*
Artic TransPort *(Artic Technologies).* *526*
Artic TransType *(Artic Technologies).* *467*
Articulating Drawers *(AliMed Inc.).* *332*
ASAP (Automatic Speech Access Program) *(MicroTalk Software).* *468*
ASCII-TDD Software *(Gallaudet Research Institute-TAP).* *179*
ASER Ergonomic Keyboard Layout *(AliMed Inc.).* *333*
Association Pictures *(Parrot Software).* *559*
Atlantic 144 TTY *(Atlantic Technologies, Inc.).* *179*
Atlas Speaks *(Arkenstone, Inc.).* *737*
Attainment Communication Collection *(Attainment Company).* *71*
Attainment Fifteen Talker *(Attainment Company).* *119*
Attainment Five Talker & Talker Plus *(Attainment Company).* *120*
Attainment Two Talker *(Attainment Company).* *120*
Attention, Perception & Discrimination Plus for Windows *(Parrot Software).* *559*
Audapter Speech System *(Personal Data Systems, Inc.).* *527*
Audible Cursor Routine *(Favin, David).* *121*
Audio Braille Game Tutorial *(Access Unlimited).* *560*
AudScan II *(Words+, Inc.).* *121*
Aurora 2.0 for DOS *(Aurora Systems, Inc.).* *376*
Aurora for Windows *(Aurora Systems, Inc.).* *333*
Auto Braille *(Kansys, Inc.).* *738*
Auto Call Single Number Dialer *(Ameriphone, Inc.).* *312*
Automatic Drapery Opener System *(Makita).* *269*
B-Edit *(Hexagon Products).* *738*
B-Pop *(Hexagon Products).* *493*
Babysitting Basics *(MCE).* *560*
BallPoint Mouse *(Microsoft Corporation).* *377*
Basic Learning Skills Courseware *(Conover Company).* *714*
BASS Switches *(Don Johnston Incorporated).* *205*
BAT Personal Keyboard *(Infogrip, Inc.).* *377*
Baton Laser Pointer *(Innocomp).* *16*
Battery Adapter *(Don Johnston Incorporated).* *32*
Battery Device Adapter *(AbleNet, Inc.).* *32*
Battery Interrupter *(Toys for Special Children, Inc.).* *33*
Battery Interrupters *(Creative Switch Industries).* *33*
Be a Winner Series *(Conover Company).* *561*
Beamscope *(Florida New Concepts Marketing, Inc.).* *494*
Bear Jam *(Dunamis, Inc.).* *561*
Bed Control (DBC-1) *(APT Technology, Inc.).* *269*
Beep-in-Touch *(Hersh & Treadgold).* *312*
Beeper *(Crestwood Company).* *313*
BEST Faces *(BEST, Inc.).* *562*
BEST Switch Interface *(BEST, Inc.).* *453*
BEX 3.1 *(Raised Dot Computing).* *739*
Big Button Bed Control *(KY Enterprises).* *270*
BIG for 1-2-3 *(Hexagon Products).* *739*
BIG for WordPerfect *(Hexagon Products).* *740*
Big Keys *(Greystone Digital).* *378*
Big Red, Yellow, Green, and Blue *(AbleNet, Inc.).* *206*
Big-W *(Hexagon Products).* *494*
Big/Little I and II *(UCLA Microcomputer Project).* *562*
Big:Calc *(Don Johnston Incorporated).* *740*
Biggy *(R.J. Cooper & Associates).* *741*
BIGmack *(AbleNet, Inc.).* *122*
BioMuse *(BioControl Systems, Inc.).* *378*

BlackHawk *(Wayne County Regional Education Service Agency), 122*
BlissWrite *(Blissymbolics Communication International), 741*
Blissymbol Templates *(Blissymbolics Communication International), 71*
Blissymbol Vocabulary Stamps *(Blissymbolics Communication International), 72*
Blissymbols Gallery *(Don Johnston Incorporated), 72*
Blocks in Motion *(Don Johnston Incorporated), 563*
Bloorview Miniature Keyboard *(TASH, Inc.), 379*
Blueprint for Decision Making *(MCE), 563*
Boardmaker 3.0 *(Mayer-Johnson Company), 73*
Boardmaker for Windows *(Mayer-Johnson Company), 73*
Body Builder *(Dunamis, Inc.), 564*
Body Parts Switch *(Therapeutic Toys, Inc.), 206*
Body Switch BS-1 *(APT Technology, Inc.), 206*
BookWise *(Xerox Imaging Systems, Inc.), 468*
Bozons' Quest *(Laureate Learning Systems, Inc.), 564*
Bradley Board Communication Aid *(Bradley Enterprises), 74*
Braille 'n Speak *(Blazie Engineering), 469*
Braille 'n Speak Classic *(American Printing House for the Blind (APH)), 469*
Braille Blazer *(Blazie Engineering), 507*
Braille BookMaker and Braille Express 100 & 500 *(Enabling Technologies Company), 508*
Braille Keytop Labels *(Hooleon Corporation), 334*
Braille Lite *(Blazie Engineering), 470*
Braille Tutorial *(Hexagon Products), 565*
Braille-N-Print *(HumanWare, Inc.), 508*
Braille-Talk *(GW Micro), 742*
Braille-Term Program *(Blazie Engineering), 742*
BrailleAccess *(Access Systems International, LTD), 509*
Brailled Keyboard Model–Apple IIe *(American Printing House for the Blind (APH)), 543*
Brailled Keyboard Overlay for the Apple IIGS *(American Printing House for the Blind (APH)), 334*
BrailleMate 2 *(TeleSensory Corporation), 470*
BRAILLEX-2D *(ATR/JWA, Inc.), 509*
Braillo 200 *(American Thermoform Corporation), 510*
Braillo 400 S *(American Thermoform Corporation), 510*
Braillo Comet *(American Thermoform Corporation), 511*
Breakthrough to Language: Clinical Edition *(Creative Learning, Inc.), 565*
Breakthrough to Language: Home Edition *(Creative Learning, Inc.), 566*
Breakthru Box *(EKEG Electronics Company LTD), 379*
Breath Input Device *(Neil Squire Foundation), 207*
Buddy Button (5710-5773) *(TASH, Inc.), 207*
Buddy's Body *(UCLA Microcomputer Project), 566*
Build-A-Scene *(R.J. Cooper & Associates), 567*
Business Vision *(Artic Technologies), 471*
Butler-in-a-Box *(AVSI), 270*
Button Switch *(Creative Switch Industries), 207*
Button Switch *(Toys for Special Children, Inc.), 208*
Buzzer Box *(Kapable Kids), 34*
Cafet-for-Voice *(Cafet, Inc.), 567*
Calc-Talk *(GW Micro), 743*
Calcworthy *(GW Micro), 743*
Calendars *(Various (Generic Product)), 74*
Call Alert Model CA-100 *(Ameriphone, Inc.), 313*
Call Bell (4500) *(TASH, Inc.), 314*
Call Signal 2 *(Prentke Romich Company), 314*
CallText 5000 *(Centigram), 527*
CAMEO *(J.E. Stewart), 715*
Canon Communicator CC-7S and CC-7P *(Canon U.S.A., Inc.), 123*
CanSpeak *(CanSpeak), 568*
Cap Switch (5806) *(TASH, Inc.), 208*
Capacitive Touchplate Interface *(Hugh MacMillan Rehabilitation Centre), 208*
Captain's Log: Cognitive Training System *(BrainTrain), 568*
Card Communicator *(Crestwood Company), 34*
Career English *(Conover Company), 715*
CarpalRest *(Fox Bay Industries, Inc.), 335*
CarryCom *(Great Talking Box Company), 123*
Categories Plus for Windows *(Parrot Software), 569*
Category Discrimination and Reasoning Plus for Windows *(Parrot Software), 569*
Category Naming and Completion Plus for Windows *(Parrot Software), 570*
Cause & Effect *(Judy Lynn Software), 570*
Cause 'n Effect *(Marblesoft), 571*
CAV-ASL *(E & IS SignWare), 571*
CCT Environmental Control *(Consultants for Communication Technology), 271*
Chain Talk *(Crestwood Company), 75*
Cheap Talk 4 & 8 *(Toys for Special Children, Inc.), 124*
Checkbook Program *(Blazie Engineering), 744*
Children's Switch Progressions *(R.J. Cooper & Associates), 572*
Chime Alarm *(Don Johnston Incorporated), 315*
Chime Box *(Creative Switch Industries), 35*
CINTEX I *(NanoPac, Inc.), 744*
CINTEX2 *(NanoPac, Inc.), 271*
Circletime Tales & Circletime Tales Deluxe *(Don Johnston Incorporated), 572*
Cirque GlidePoint Trackpads *(Cirque), 380*
Clamp-On Bump Switch *(Luminaud, Inc.), 209*
Classic Paddle Switch *(Creative Switch Industries), 209*
Clear Clock Communicator *(Toys for Special Children, Inc.), 35*
Clear-View Head Pointer *(Fred Sammons, Inc.), 17*
Cleo Communication Board *(Cleo of New York), 75*
ClickIt! *(IntelliTools, Inc.), 454*
Clock Communicator *(Toys for Special Children, Inc.), 36*
CloseView *(Apple Computer, Inc.), 495*
Co:Writer *(Don Johnston Incorporated), 745*
Cognitive Disorders I, II, III, IV *(Parrot Software), 573*
Cognitive Rehabilitation Software *(Various (Generic Product)), 573*
Cogrehab Vol. 1 *(Life Science Associates), 574*
Cogrehab Vol. 2 *(Life Science Associates), 574*
Cogrehab Vol. 3 Version 2.0 *(Life Science Associates), 575*
Cogrehab Vol. 4 *(Life Science Associates), 575*
Cogrehab Vol. 5 *(Life Science Associates), 576*
Cogrehab Vol. 6 *(Life Science Associates), 576*
Cogrehab Vol. 7: Quest *(Life Science Associates), 577*
Coil Spring Wobble Stick Switch *(Creative Switch Industries), 209*
COINSNKEYS *(Castle Special Computer Services, Inc.), 577*
Color Find *(Exceptional Children's Software, Inc.), 578*
Colorful Concept Software *(Attainment Company), 578*
Colors and Shapes *(BEST, Inc.), 579*
Combination Braille/Large Print Keytop Labels *(Hooleon Corporation), 335*
Comboard (2615) *(TASH, Inc.), 36*
Comfort Keyboard System *(Health Care Keyboard Company), 380*
Comfortype *(Van Duerr Discovery Industries), 336*
Communication Binder *(Mayer-Johnson Company), 76*
Communication Board *(Graley Marketing), 76*
Communication Board Builder *(Mayer-Johnson Company), 77*
Communication Displays for Engineered Preschool Env. *(Mayer-Johnson Company), 77*
Communication Folder and Tri-Folder *(Mayer-Johnson Company), 78*
Communication Icon Galleries CD-ROM *(Don Johnston Incorporated), 78*
Communication Programs *(Favin, David), 124*
Communication Sheets *(Fred Sammons, Inc.), 79*
Communication Station *(D.J. Technical Sales, LTD), 165*
Communication Symbol Holders *(Various (Generic Product)), 79*
Communication Training Program *(CSUS Assistive Device Center), 579*
Communiclock *(Crestwood Company), 37*
Communilight 24 *(Crestwood Company), 37*
Community Signs *(Conover Company), 580*
Community Vehicles *(UCLA Microcomputer Project), 580*
Compact TTY *(Ultratec, Inc.), 180*
Companion 401 Communicator *(Luminaud, Inc.), 125*
Compartmentalized Clock Communicator *(Toys for Special Children, Inc.), 38*
Compartmentalized Communicator *(Toys for Special Children, Inc.), 38*
Complete Spelling Program *(SLED Software), 716*

Completion From Partial Information Plus for Windows *(Parrot Software), 581*
Compu-Lenz *(Florida New Concepts Marketing, Inc.), 493*
CompuDesk HCP *(Craner Cabinetry), 543*
Computer CUP *(Amidon Publications), 581*
Computer Interface Box *(Nassau Applied Technology Resource Center), 454*
Computer Keyboard Switch *(Toys for Special Children, Inc.), 210*
Computer Literacy Series *(Conover Company), 582*
Computer Switch Interface *(AbleNet, Inc.), 455*
Computer Switch Plate *(Toys for Special Children, Inc.), 210*
Computer Workstation Furniture *(Various (Generic Product)), 544*
Comtel *(Acrontech International, Inc.), 544*
CONCENTRATE! On Words & Concepts *(Laureate Learning Systems, Inc.), 582*
Concept Keyboard *(Hach Associates), 381*
Construc *(DEKRO, Inc.), 583*
Continuous Movement Switch (CMS) *(Toys for Special Children, Inc.), 210*
Controflex Foot Switches *(Tapeswitch Corporation), 211*
Controflex Ribbon Switches *(Tapeswitch Corporation), 211*
Control & Momentary Control Center Switches *(Crestwood Company), 211*
Control 1 *(Prentke Romich Company), 272*
Controller *(ACS Technologies, Inc.), 272*
Cooper-Rand Electronic Speech Aid *(Luminaud, Inc.), 4*
Cord-Mate *(Cord-Mate, Inc.), 315*
Cordless WinMouse *(A4 Tech (USA) Corporation), 381*
Core Picture Vocabulary *(Don Johnston Incorporated), 80*
Core Reading and Vocabulary Development *(Educational Activities, Inc.), 583*
Core Vocabulary *(Blissymbolics Communication International), 80*
Counter Box *(Creative Switch Industries), 39*
Counter Module *(Toys for Special Children, Inc.), 39*
Creature Antics and Creature Capers *(Laureate Learning Systems, Inc.), 584*
Creature Cartoons *(Laureate Learning Systems, Inc.), 584*
Creature Chorus *(Laureate Learning Systems, Inc.), 585*
Creature Features *(Laureate Learning Systems, Inc.), 585*
Creature Magic *(Laureate Learning Systems, Inc.), 586*
Crespeaker *(Crestwood Company), 125*
Crestalk *(Crestwood Company), 126*
Crestwood Converter Switch *(Crestwood Company), 212*
Crestwood Touch Latch Switch *(Crestwood Company), 212*
CrossScanner *(R.J. Cooper & Associates), 455*
CrossWords *(Marblesoft), 586*
Cup Switch (5807) *(TASH, Inc.), 212*
Cushion Switch *(Therapeutic Toys, Inc.), 213*
Custom Keyguard *(Prentke Romich Company), 336*
Custom Speaker Phone *(KY Enterprises), 273*
Custom-Made Switches *(Various (Generic Product)), 213*
Cylindrical Touch Switch (5300) *(TASH, Inc.), 213*
DA-II Adapter *(APT Technology, Inc.), 456*
DAC *(ACS Technologies, Inc.), 126*
Daessy Desktop Mount *(Prentke Romich Company), 166*
Daessy Folding Mount *(Prentke Romich Company), 166*
DARCI TOO *(WesTest Engineering Corporation), 382*
Data Entry *(Attainment Company), 587*
DataArm *(Maxi Aids, Inc.), 337*
David *(TeleSensory Corporation), 471*
DECtalk *(Digital Equipment Corporation), 528*
DECtalk PC & DECtalk Express *(Digital Equipment Corporation), 528*
Deductive Reasoning Plus for Windows *(Parrot Software), 587*
Definitions Plus for Windows *(Parrot Software), 588*
Delay Timer Box *(Nassau Applied Technology Resource Center), 40*
DeltaTalker *(Prentke Romich Company), 127*
Deluxe Communication Board Kit *(Crestwood Company), 81*
Deluxe Paddle Switch II and Mini Deluxe Paddle Switch *(Creative Switch Industries), 214*
Deluxe Talk Board *(Crestwood Company), 81*
Denrick Speech Aid *(Luminaud, Inc.), 4*
DEUCE *(APT Technology, Inc.), 273*
Dial Scan *(Don Johnston Incorporated), 40*
Dialogue TTYs *(Ameriphone, Inc.), 180*
Dialogue VCO Read & Talk Telephone *(Ameriphone, Inc.), 181*
DigiTalk 1 *(Sentient Systems Technology, Inc.), 127*
Digitized Speech Message Machines *(Various (Generic Product)), 316*
DigiVox *(Sentient Systems Technology, Inc.), 128*
Dino-Games *(Academic Software, Inc.), 588*
Dinosaur Game *(UCLA Microcomputer Project), 589*
Disk Guide (2485) *(TASH, Inc.), 545*
DJ ProPack Speech Module *(Don Johnston Incorporated), 529*
DM80/FM *(TeleSensory Corporation), 511*
Dollars & Cents Series *(Attainment Company), 589*
Doors II *(Madenta Communications, Inc.), 382*
DOS Tape *(Audio Computer Information, Inc.), 545*
Double Paddle Switch *(Creative Switch Industries), 214*
Double Sip & Double Puff Switches *(Toys for Special Children, Inc.), 214*
Double Touch Switch *(Toys for Special Children, Inc.), 215*
DragonDictate Starter, Classic, and Power Editions *(Dragon Systems, Inc.), 383*
Drive to Live *(Blessing, Maleta), 716*
Dual Action Latch *(Kapable Kids), 41*
Dual Channel Headset *(Maxi Aids, Inc.), 546*
Dual Channel Latching Switch Interface *(Hugh MacMillan Rehabilitation Centre), 41*
Dual Clock Communicator *(Toys for Special Children, Inc.), 42*
Dual Plate Switch: CM-12 *(Zygo Industries, Inc.), 215*
Dual Pneumatic Switch: CM-14 *(Zygo Industries, Inc.), 215*
Dual Puff-Sip Switch DPS-2 *(APT Technology, Inc.), 216*
Dual Pushbutton Switch: CM-13 *(Zygo Industries, Inc.), 216*
Dual Rocking Lever Switch *(Prentke Romich Company), 216*
Dual Tongue Switch TS-2C *(APT Technology, Inc.), 217*
Duo-Responder *(Crestwood Company), 42*
Duxbury Braille Board for Microsoft Windows *(Duxbury Systems, Inc.), 745*
Duxbury Braille Font *(Duxbury Systems, Inc.), 746*
Duxbury Braille Translator (DBT) *(Duxbury Systems, Inc.), 746*
Duxbury Braille Translator for WordPerfect (DUXWP) *(Duxbury Systems, Inc.), 747*
Dvorak Computer Keyboard *(Typewriting Institute for the Handicapped), 337*
Dvorak Conversion Keytop Labels *(Hooleon Corporation), 338*
Dvorak Keyboard Layouts *(Microsoft Corporation), 338*
Dvorak One-Hand Typewriter *(Typewriting Institute for the Handicapped), 128*
DynaSyms *(Poppin and Company), 82*
DynaVox2 & DynaVox2c *(Sentient Systems Technology, Inc.), 129*
DynaVox2 DOS & DynaVox2 Mac *(Sentient Systems Technology, Inc.), 129*
E Z Keys *(Words+, Inc.), 339*
E-Tran Scanner *(Nassau Applied Technology Resource Center), 43*
E-Z Call *(Med Labs, Inc.), 316*
E.A.S.I.dialer (2110) *(TASH, Inc.), 274*
Early and Advanced Switch Games *(R.J. Cooper & Associates), 590*
Early Concepts *(UCLA Microcomputer Project), 590*
Early Emerging Rules Series *(Laureate Learning Systems, Inc.), 591*
Early Learning 3.5/Complete Early Learning 5.25 *(Marblesoft), 591*
Early Learning I *(Marblesoft), 592*
Early Learning II *(Marblesoft), 717*
Early Learning III *(Marblesoft), 717*
EASICORDER *(APT Technology, Inc.), 274*
Easy Access *(Apple Computer, Inc.), 339*
Easy-Braille Translator *(Blazie Engineering), 747*
EasyRiser *(Fox Bay Industries, Inc.), 546*
EasyTalk *(Great Talking Box Company), 130*
Echo II *(Echo Speech Corporation), 529*
Echo II with Textalker & Echo II with Textalker-GS *(American Printing House for the Blind (APH)), 472*
Echo LC *(Echo Speech Corporation), 530*
Echo PCII *(Echo Speech Corporation), 530*
Echo-PC *(Echo Speech Corporation), 531*
Edgar *(Duxbury Systems, Inc.), 748*
Edmark Functional Word Series *(Edmark Corporation), 592*
Edmark Reading Program, Level 1 Software *(Edmark Corporation), 718*
EEK *(OMS Development), 383*

Eency-Weency Spider Game *(UCLA Microcomputer Project)*. *593*
Electric Crayon and Electric Crayon Deluxe *(Merit Studios)*. *748*
Electronic Artificial Larynx *(AT & T Accessible Communication Products Center)*. *5*
Electronic Speech Clarifiers *(National Institute for Rehabilitation Engineering)*. *5*
Electronic Speech Synthesizers *(National Institute for Rehabilitation Engineering)*. *130*
Elementary Signer *(E & IS SignWare)*. *593*
Elementary Volume 1 - Mathematics *(American Printing House for the Blind (APH))*. *718*
Ellipse Switches *(Don Johnston Incorporated)*. *217*
Emacspeak *(T V Raman)*. *472*
Emergency Call Alarm *(Zygo Industries, Inc.)*. *317*
Emotional Moods & Needs-G 3&4 *(Help Me to Help Myself Communication Aids)*. *82*
Employment Signs *(Conover Company)*. *594*
English on the Job *(Conover Company)*. *594*
Environment Control *(Favin, David)*. *275*
Environmental Control for Kids *(Various (Generic Product))*. *43*
Environmental Control Units *(Various (Generic Product))*. *275*
Equalizer *(Words+, Inc.)*. *131*
ErgoLogic Model 7.1 Keyboard *(Ergologic Enterprises, Inc.)*. *384*
Ergonomic Keyboard Systems *(Various (Generic Product))*. *384*
Ergorest Articulated Forearm Rests *(Willow Pond Tools, Inc.)*. *340*
ERIN (Early Recognition Intervention Network) *(J.E. Stewart)*. *719*
ETgraphX *(Blazie Engineering)*. *749*
EvalPAC with RealVoice *(ACS Technologies, Inc.)*. *131*
Every Day Is A Holiday *(UCLA Microcomputer Project)*. *595*
ExerciseBreak *(Hopkins Technology, LLC)*. *749*
Expanded Keyboard Emulator *(Words+, Inc.)*. *340*
Expanded Keyboard for Apple Macintosh and Apple IIGS *(EKEG Electronics Company LTD)*. *385*
Expanded Keyboard for Automatic Telephone *(EKEG Electronics Company LTD)*. *276*
Expanded Keyboard for IBM Computers *(EKEG Electronics Company LTD)*. *385*
Expanded Keyboards for the Talking BlissApple *(EKEG Electronics Company LTD)*. *386*
Expanded Numeric Keypads *(EKEG Electronics Company LTD)*. *386*
Expert Mouse *(Kensington Microware Limited)*. *387*
Exploring Early Vocabulary Series *(Laureate Learning Systems, Inc.)*. *595*
Eye Relief *(SkiSoft Publishing Corporation)*. *750*
Eye Slaved Pointing System *(ISCAN, Inc.)*. *387*
Eye Transfer Communication System *(Zygo Industries, Inc.)*. *83*
Eye-Com *(Pitts Corporation)*. *83*
Eye-Com Board *(Imaginart International, Inc.)*. *84*
Eyebrow Switch *(Words+, Inc.)*. *217*
Eyegaze Computer System *(LC Technologies, Inc.)*. *132*
EZ-TV Adapted Infrared Remote Control for Televisions *(ORCCA Technology, Inc.)*. *276*
ezMorse for Windows *(Neil Squire Foundation)*. *388*
EZRA *(KY Enterprises)*. *277*
ezScan *(Neil Squire Foundation)*. *388*
F71863 Touchables Touch Phone Attachments *(Maddak, Inc.)*. *277*
F73216-100 Page Turner/Keyboard Aid *(Maddak, Inc.)*. *17*
Facial Switch *(Whitmyer Biomechanix, Inc.)*. *218*
Family Fun *(UCLA Microcomputer Project)*. *596*
Fast Food Game *(UCLA Microcomputer Project)*. *596*
FastTRAP *(Microspeed Inc.)*. *389*
Feelings *(UCLA Microcomputer Project)*. *597*
Felix *(Altra)*. *389*
Filch *(Kinetic Designs, Inc.)*. *341*
File-Talk *(GW Micro)*. *750*
Find the Buttons *(R.J. Cooper & Associates)*. *597*
Finger Flex Switch *(Luminaud, Inc.)*. *218*
Finger Isolation Button *(Toys for Special Children, Inc.)*. *218*
FingerFoniks *(Words+, Inc.)*. *132*
Fingerspeller *(E & IS SignWare)*. *598*
Fingerspelling & Numbers *(Kopptronix Company)*. *598*
FingerZoids *(E & IS SignWare)*. *599*
Finish Line *(Innovative Designs, Inc.)*. *751*
First Aide Kit *(Infra-Link, Inc.)*. *278*
First Categories *(Laureate Learning Systems, Inc.)*. *599*
First Mate *(BrainTrain)*. *600*
First Step Software *(Attainment Company)*. *600*
First Verbs and Primeros Verbos *(Laureate Learning Systems, Inc.)*. *601*
First Words *(Laureate Learning Systems, Inc.)*. *601*
First Words II *(Laureate Learning Systems, Inc.)*. *602*
First-Finger WinTrack *(A4 Tech (USA) Corporation)*. *390*
Flex Switch (5855) *(TASH, Inc.)*. *219*
Flexi-Switch *(Kapable Kids)*. *219*
Flexible Wheelchair/Table Mounting Kit *(Crestwood Company)*. *167*
Flexit Switch *(Creative Switch Industries)*. *219*
FlexPro *(Key Tronic)*. *390*
FlexShield Keyboard Protectors *(Hooleon Corporation)*. *341*
Flexswitch II *(Tapeswitch Corporation)*. *220*
Focus on Facts *(Exceptional Teaching Aids)*. *719*
Focus on Nations *(Exceptional Teaching Aids)*. *720*
Fold It System *(Communication Development Products, Inc.)*. *84*
Following Directions: One- and Two-Level Commands *(Laureate Learning Systems, Inc.)*. *602*
Following Directions: Left and Right *(Laureate Learning Systems, Inc.)*. *603*
Fone Holder *(Fred Sammons, Inc.)*. *278*
Food Facts *(American Printing House for the Blind (APH))*. *603*
Foods I Like Menu Book *(Help Me to Help Myself Communication Aids)*. *85*
FormMate *(Henter-Joyce, Inc.)*. *751*
Foundations I *(Psychological Software Services, Inc.)*. *604*
Foundations II *(Psychological Software Services, Inc.)*. *604*
Freedom Writer *(World Communications)*. *752*
FreeSwitch *(Adaptivation, Inc.)*. *279*
Function Pictures *(Parrot Software)*. *605*
Functional Vocabulary Plus for Windows *(Parrot Software)*. *605*
Fundamental Concepts *(Judy Lynn Software)*. *606*
Further Adventures of Jimmy Jumper - Perseverance *(Exceptional Children's Software, Inc.)*. *606*
Futura-TTY *(Futura Wave Communications, Inc.)*. *181*
Generation IV Adjustable Computer Tables *(Willow Pond Tools, Inc.)*. *547*
Geometric Figures and Spatial Concepts *(Favin, David)*. *720*
Getting Clean with Herkimer Level I, II, III *(UCLA Microcomputer Project)*. *607*
GEWA FTB 108 Enlarged Keyboard *(Zygo Industries, Inc.)*. *391*
GEWA Infra-Link Speaker-Telephone *(Infra-Link, Inc.)*. *279*
GEWA Infra-Link System *(Infra-Link, Inc.)*. *280*
GEWA METB 121 Reduced Size Keyboard *(Zygo Industries, Inc.)*. *391*
Gewa Page Turner *(Zygo Industries, Inc.)*. *280*
Giant Push Button Telephone Adapter *(Fred Sammons, Inc.)*. *281*
Gizmo *(Artic Technologies)*. *473*
GNK Magnifier *(Less Gauss Inc.)*. *496*
Governor (2464) *(TASH, Inc.)*. *547*
GrammarPlay with Alps and Droops *(Optimal-Ed Learning Materials)*. *607*
Grasp Switch (5865) *(TASH, Inc.)*. *220*
Grip & Puff Switch *(Toys for Special Children, Inc.)*. *220*
Grip Switch *(Therapeutic Toys, Inc.)*. *221*
Gripper Prehensor *(Toys for Special Children, Inc.)*. *18*
Grocery Store Words *(Conover Company)*. *608*
Gus! Multimedia Speech System *(Gus Communications, Inc.)*. *133*
H71830 Adjustable Head Pointer *(Maddak, Inc.)*. *18*
H73217 Mouth Held Page Turners *(Maddak, Inc.)*. *19*
H:1 Handicapped Word Games *(E. David & Associates)*. *752*
H:2 Handicapped Arithmetic Flash Cards *(E. David & Associates)*. *721*
HAL (Home Automation Link) *(Voice Connection)*. *392*
Half-QWERTY One-handed Keyboard Software *(Matias Corporation)*. *342*
Hand Controls *(Marblesoft)*. *392*
Handheld Computers and Personal Organizers *(Various (Generic Product))*. *133*
HandiCHAT and HandiCHAT Deluxe *(Microsystems Software Inc.)*. *473*
HandiCODE and HandiCODE Deluxe *(Microsystems Software Inc.)*. *393*

HandiKEY and HandiKEY Deluxe *(Microsystems Software Inc.).* *342*
HandiPHONE *(Microsystems Software Inc.).* *281*
HandiSHIFT *(Microsystems Software Inc.).* *343*
HandiWORD and HandiWORD International *(Microsystems Software Inc.).* *343*
Handpointers *(Various (Generic Product)).* *19*
Handset for Speech Amplification *(AT & T SourceBook).* *6*
Handy Speech Communication Aide *(Consultants for Communication Technology).* *134*
Hawk *(Wayne County Regional Education Service Agency).* *134*
HD Latching Pneumatic Switch *(Luminaud, Inc.).* *221*
Head Control Switch *(Burkhart, Linda J.).* *221*
Head Mounting Kit *(Don Johnston Incorporated).* *167*
Head Pointers: AD-1, AD-2, AD-3 *(Zygo Industries, Inc.).* *20*
Head Position Interface *(Hugh MacMillan Rehabilitation Centre).* *222*
Head Switch *(Toys for Special Children, Inc.).* *222*
Head Switch Kit *(Burkhart, Linda J.).* *222*
Headband Switch *(Luminaud, Inc.).* *223*
HeadMaster Plus *(Prentke Romich Company).* *393*
HeadMouse *(Origin Instruments Corporation).* *394*
HECS-1 *(Prentke Romich Company).* *282*
Heidico Intertalk *(Heidico, Inc.).* *135*
Help Me at Home & School-G 5&6 *(Help Me to Help Myself Communication Aids).* *85*
Help Me to Help Myself Handbook *(Help Me to Help Myself Communication Aids).* *86*
Help U Key *(World Communications).* *394*
Help U Keyboard *(World Communications).* *395*
Help U Type *(World Communications).* *344*
Help U Type and Speak *(World Communications).* *135*
Hereward Tracker Ball & Joystick Module *(Penny & Giles Computer Products).* *395*
Heyer-Abadie Modular Mouthstick *(Extensions for Independence).* *20*
Hierarchical Attention Training *(Parrot Software).* *608*
High Dots *(Exceptional Teaching Aids).* *344*
High Tech/Low Cost *(TechnoGenesis, Inc.).* *223*
Holiday Kit *(Mayer-Johnson Company).* *86*
Home Control Systems *(Various (Generic Product)).* *282*
Home Intercom Systems *(Various (Generic Product)).* *317*
Home-Row Key Indicators *(Hooleon Corporation).* *345*
HomeAccess *(MRF Adaptive Resources, Inc.).* *283*
Homographs *(Parrot Software).* *609*
Homophones *(Parrot Software).* *609*
Human Being Machine *(R.J. Cooper & Associates).* *610*
HX-20 Protective Cover *(ACS Technologies, Inc.).* *345*
HyperBliss 3.2 *(Blissymbolics Communication International).* *136*
I Can Play, Too! *(Mayer-Johnson Company).* *753*
I Can Speak *(World Communications).* *136*
IBM Screen Reader/2 *(IBM Corporation).* *474*
IBM Screen Reader/DOS *(IBM Corporation).* *474*
IBM-VBII *(Cornucopia Software).* *753*
Icontroller *(Suncom Technologies).* *396*
ICU-G 1&2 *(Help Me to Help Myself Communication Aids).* *87*
If You're Happy and You Know It *(UCLA Microcomputer Project).* *610*
Illustrated Menu *(Attainment Company).* *87*
Imaginart Gallery *(Don Johnston Incorporated).* *88*
Improving Your Self-Concept *(Conover Company).* *611*
In & Out Automatic Door Controller *(KY Enterprises).* *283*
IN-CUBE Voice Command for SPARC Stations *(Command Corp. Inc.).* *396*
IN-CUBE Voice Command for Windows, NT *(Command Corp. Inc.).* *397*
Index Basic *(Access Systems International, LTD).* *512*
Index Basic-D *(Access Systems International, LTD).* *512*
Index Everest-D *(Access Systems International, LTD).* *513*
Individualized Communication Systems *(Mayer-Johnson Company).* *88*
Inferential Naming for Cognitive and Language Disorders *(Parrot Software).* *611*
Inferential Naming Plus for Windows *(Parrot Software).* *612*
Information Signs *(Conover Company).* *612*
InfoTouch *(Enabling Technologies Company).* *182*
Infovox 210 *(Mayer-Johnson Company).* *475*
Infovox 500, 700 & 750 *(Reading Technology).* *531*
Infrared Remote Control IRTI-I *(APT Technology, Inc.).* *284*
Initial Phoneme Cuing for Aphasics *(Parrot Software).* *613*
INKA *(TeleSensory Corporation).* *513*
inLARGE 2.0 *(Berkeley Systems, Inc.).* *496*
Input Adapter *(Life Science Associates).* *456*
Instant Access *(Innocomp).* *397*
Intele-Modem *(Ultratec, Inc.).* *182*
IntelliKeys *(IntelliTools, Inc.).* *398*
IntelliKeys Overlay Maker *(IntelliTools, Inc.).* *548*
IntelliTalk *(IntelliTools, Inc.).* *137*
Intention Module *(Toys for Special Children, Inc.).* *44*
Intention Switch *(Toys for Special Children, Inc.).* *223*
Interaction Games *(Don Johnston Incorporated).* *613*
Interaction Games II *(Don Johnston Incorporated).* *614*
Intercom (4392) *(TASH, Inc.).* *318*
Internal I/O Port Adapter *(AbleNet, Inc.).* *457*
IntroVoice V *(Voice Connection).* *398*
IntroVoice VI *(Voice Connection).* *399*
Invertor Module *(Toys for Special Children, Inc.).* *44*
IRIS Reading Interface 3.0 *(VisuAide).* *399*
IST Switch *(Words+, Inc.).* *224*
JANICE Model 100 Invalid Security Alert System *(JANICE Invalid Security Alert Systems, Inc.).* *318*
JAWS for Windows *(Henter-Joyce, Inc.).* *475*
JAWS Screenreader *(Henter-Joyce, Inc.).* *476*
JDN Shorthand (5073) *(TASH, Inc.).* *346*
Jelly Bean *(AbleNet, Inc.).* *224*
Job Readiness Series *(MCE).* *614*
Job Seeking Series *(Conover Company).* *615*
Job Success Series *(MCE).* *615*
Join the Circus *(Don Johnston Incorporated).* *616*
JOKUS Software *(Don Johnston Incorporated).* *721*
Jouse *(Prentke Romich Company).* *400*
Joystick *(Toys for Special Children, Inc.).* *224*
Joystick Interface Control *(Hugh MacMillan Rehabilitation Centre).* *225*
Joystick to Mouse Driver *(Innovation Management Group, Inc.).* *400*
Joystick Trainer *(R.J. Cooper & Associates).* *616*
Joystick with Pad Switch (5012) *(TASH, Inc.).* *225*
Judy Lynn PC Adapter *(Judy Lynn Software).* *457*
Juliet Brailler *(Enabling Technologies Company).* *514*
Jumbo Plate Switch *(Crestwood Company).* *225*
JustVoice *(Interactive Products, Inc.).* *401*
K-U-I *(Softac Corporation).* *401*
K.C. & Clyde in Fly Ball *(Don Johnston Incorporated).* *722*
Ke:nx *(Don Johnston Incorporated).* *402*
Ke:nx Easy Overlays *(Don Johnston Incorporated).* *548*
Ke:nx On:Board (M43) *(Don Johnston Incorporated).* *402*
Key Largo *(Don Johnston Incorporated).* *403*
KeyAbility *(Meeting the Challenge).* *346*
Keyboard Covers *(Toys for Special Children, Inc.).* *347*
Keyboard Expander *(Neil Squire Foundation).* *458*
Keyboard Interfaces *(Prentke Romich Company).* *458*
Keyboard Overlays for Apple IIe and IIgs *(Marblesoft).* *347*
Keyboard Wrist Rest *(AliMed Inc.).* *348*
Keyboarding by Ability *(Teacher's Institute for Special Education).* *617*
Keyboarding for Individual Achievement *(Teacher's Institute for Special Education).* *617*
Keyboarding for People with Cerebral Palsy *(Teacher's Institute for Special Education).* *618*
Keyboarding Program with Voice Output *(Favin, David).* *618*
Keyboarding with One Hand *(Teacher's Institute for Special Education).* *619*
Keycache *(OMS Development).* *348*
KeyGuard *(IBM Corporation).* *349*
Keyguard *(TASH, Inc.).* *349*
Keyguards *(Don Johnston Incorporated).* *350*
Keylocks *(TASH, Inc.).* *350*
KeyMagic *(Madenta Communications, Inc.).* *351*
Keynote Companion *(HumanWare, Inc.).* *476*
Keynote GOLD *(HumanWare, Inc.).* *532*

Keypad (2425) *(TASH, Inc.)*, 45
Keyport 176 *(Polytel Computer Products Corporation)*, 403
Keyport 300 *(Polytel Computer Products Corporation)*, 404
Keyport 60 *(Polytel Computer Products Corporation)*, 404
KeyREP *(Prentke Romich Company)*, 351
Keys to Success: Comp. Keybd. Skills for Blind Children *(Life Science Associates)*, 619
Keysoft *(HumanWare, Inc.)*, 754
KeyStopper *(Hooleon Corporation)*, 352
Keyterm *(HumanWare, Inc.)*, 754
KeyWiz *(Words+, Inc.)*, 352
Kincontrol (4105) *(TASH, Inc.)*, 284
Kinesis Ergonomic Keyboard *(Kinesis Corporation)*, 405
King Keyboard (2440) *(TASH, Inc.)*, 405
KTS Braille Display *(American Thermoform Corporation)*, 514
Kurzweil VOICE *(Kurzweil Applied Intelligence, Inc.)*, 406
Kurzweil VOICE for Windows *(Kurzweil Applied Intelligence, Inc.)*, 406
L.T. Switch *(Don Johnston Incorporated)*, 226
Language Master Special Edition - LM6000SE *(Franklin Electronic Publishers, Inc.)*, 477
LAP CAT *(PC Compatibles)*, 353
Laptrays *(Various (Generic Product))*, 168
Large Print Word Processors *(National Institute for Rehabilitation Engineering)*, 755
Large-Type Display Utility Software *(National Institute for Rehabilitation Engineering)*, 497
Laryngograph *(Kay Elemetrics Corporation)*, 620
Laser Light Pointer *(Innocomp)*, 21
Laser Optic Keyboard *(International Technology, Inc.)*, 407
Latch Box *(Creative Switch Industries)*, 45
LD Latching Puff Switch *(Luminaud, Inc.)*, 226
Leaf Switch *(Kapable Kids)*, 226
Leaf Switch *(Toys for Special Children, Inc.)*, 227
Leaf Switch (5860) *(TASH, Inc.)*, 227
Leaf Switch: CM-2/CM-7 *(Zygo Industries, Inc.)*, 227
Learn to Scan *(Don Johnston Incorporated)*, 620
Learning Activity Packets (LAPs) *(Conover Company)*, 621
Learning How to Learn Series *(Conover Company)*, 621
Learning the Alphabet *(Favin, David)*, 722
Learning to Count *(Life Science Associates)*, 622
Learning to Reason Series *(MCE)*, 622
Learning to Spell Braille Signs *(Exceptional Teaching Aids)*, 623
Left or Right Handed Keyboards *(Maxi Aids, Inc.)*, 353
Left/Right Rocker Switch *(Don Johnston Incorporated)*, 228
Lens 2.03 *(Konz, Ned)*, 497
Less, More, Make Equal *(DEKRO, Inc.)*, 623
Let's Go Shopping I and II *(UCLA Microcomputer Project)*, 624
Let's Go to the Circus *(Laureate Learning Systems, Inc.)*, 624
Letter Art with Braille Translator *(Symbol Graphics)*, 755
Letter Find *(Exceptional Children's Software, Inc.)*, 625
LetterTALK+ *(American Printing House for the Blind (APH))*, 625
Lever Switch: CM-8/CM-9 *(Zygo Industries, Inc.)*, 228
LIAISON *(APT Technology, Inc.)*, 407
Liberator *(Prentke Romich Company)*, 137
Life Experiences Communication Kit *(Mayer-Johnson Company)*, 89
Light Activated Switch Panel *(Creative Communicating)*, 46
Light Beam Indicator *(Jim's Instrument Manufacturing, Inc.)*, 21
Light Pointer *(ACS Technologies, Inc.)*, 22
Light Pointer *(Burkhart, Linda J.)*, 22
Light Pointers *(Various (Generic Product))*, 23
Light-Activated Switch *(Burkhart, Linda J.)*, 228
LightBeam *(Ability Research, Inc.)*, 23
LightBoard *(Ability Research, Inc.)*, 408
Lighted Extra Loud Signalling Buzzer *(Toys for Special Children, Inc.)*, 319
Lighted Signalling Buzzer *(Toys for Special Children, Inc.)*, 319
Lighted Vibrating Signalling Buzzer *(Toys for Special Children, Inc.)*, 46
LightSwitch *(Ability Research, Inc.)*, 229
LightWRITER SL35 *(Zygo Industries, Inc.)*, 138
LightWRITER SL5 *(Zygo Industries, Inc.)*, 138
LightWRITER SL85 *(Zygo Industries, Inc.)*, 139
Lingraphica *(Tolfa Corporation)*, 139
LinkSwitch *(Adaptivation, Inc.)*, 47
LipStick and WordWriter *(McIntyre Computer Systems Division)*, 408
Listen and Spell *(Exceptional Teaching Aids)*, 723
Listen for Windows *(Verbex Voice Systems)*, 409
Listen With Your Ears *(UCLA Microcomputer Project)*, 626
Lite Talk *(Blazie Engineering)*, 532
Lite Touch Telephone Communicator *(Blazie Engineering)*, 183
Living Alone *(MCE)*, 626
Logi *(DEKRO, Inc.)*, 627
Logo TouchTools for the PowerPad *(Dunamis, Inc.)*, 627
Long Wallet *(Mayer-Johnson Company)*, 89
Low Force Adjustable Rod Switch *(Creative Switch Industries)*, 229
Low-Tech Adaption Materials *(Various (Generic Product))*, 168
LP-DOS & LP-Windows *(Optelec USA, Inc.)*, 498
Lynx *(Wayne County Regional Education Service Agency)*, 140
Mac PowerPad Interface for Single Switches *(Dunamis, Inc.)*, 459
Mac-Apple Communications Aid *(Computers to Help People, Inc.)*, 756
Macaw Series *(Zygo Industries, Inc.)*, 140
Macintosh Switch Interface (M09) *(Don Johnston Incorporated)*, 459
MacKing *(TASH, Inc.)*, 409
MacMini *(TASH, Inc.)*, 410
MacQWERTY *(Nisus Software, Inc.)*, 354
Macrat *(EKEG Electronics Company LTD)*, 410
MacroMaster/pro *(AJ Weiner/New England Computer Products)*, 411
MacTRAC *(Microspeed Inc.)*, 411
Magic *(DEKRO, Inc.)*, 628
MAGic and MAGic Deluxe *(Microsystems Software Inc.)*, 498
Magic Arm System *(R.J. Cooper & Associates)*, 169
Magic Fingers *(Words+, Inc.)*, 354
Magic Slate II *(Sunburst Communications, Inc.)*, 756
Magic Wand Keyboard with McKey Mouse Option *(In Touch Systems)*, 412
Magnetic Finger Switch *(Luminaud, Inc.)*, 229
Magnum *(VisuAide)*, 477
Magnum Deluxe *(Artic Technologies)*, 499
Magnum GT *(Artic Technologies)*, 499
Make It In Time *(Don Johnston Incorporated)*, 628
Make It Scan *(Don Johnston Incorporated)*, 629
Maltron Keyboard *(International Management Services, Inc.)*, 412
Marathon Brailler *(Enabling Technologies Company)*, 515
Mastering Personal Information (MPI) *(Parrot Software)*, 629
MasterTOUCH *(HumanWare, Inc.)*, 515
Mastervoice Environmental Control Single User Unit *(AVSI)*, 285
Mat Switch *(Creative Switch Industries)*, 230
Math Max *(DEKRO, Inc.)*, 630
Math on the Job *(Conover Company)*, 630
Maze *(Computers to Help People, Inc.)*, 631
Me Too! *(William K. Bradford Publishing Company, Inc.)*, 757
Mealtime Stickers *(Attainment Company)*, 90
Media Handling Products *(Various (Generic Product))*, 549
Medical Words *(Conover Company)*, 631
Mega-Book *(Mayer-Johnson Company)*, 90
MegaDots *(Raised Dot Computing)*, 757
MegaWolf *(Wayne County Regional Education Service Agency)*, 141
Membrane Plate Switch *(Crestwood Company)*, 230
Memory Button Telephones *(Various (Generic Product))*, 285
Memory for Animated Sequences Plus for Windows *(Parrot Software)*, 632
Memory I *(Psychological Software Services, Inc.)*, 632
Memory II *(Psychological Software Services, Inc.)*, 633
Mercury Switch *(Creative Switch Industries)*, 230
Mercury Tilt Switch *(Luminaud, Inc.)*, 231
Message Center *(Heidico, Inc.)*, 183
MessageMate 20 *(Words+, Inc.)*, 141
MessageMate 40 *(Words+, Inc.)*, 142
Messenger *(Crestwood Company)*, 142
Messenger-IC *(Aicom Corporation)*, 533
Meta4 *(Consultants for Communication Technology)*, 143
MIC300i Computer Modem *(Microflip, Inc.)*, 184
MICE *(Ballert International, Inc.)*, 413
Micro Guide to Careers Series *(Conover Company)*, 633
Micro IntroVoice *(Voice Connection)*, 413
Micro IntroVoice II *(Voice Connection)*, 414
Micro Light Switch (5850) *(TASH, Inc.)*, 231

Micro Switch *(Crestwood Company), 231*
Micro-LADS and Micro-LADS in French *(Laureate Learning Systems, Inc.), 634*
MicroBraille 2 *(Micro Engineering), 758*
Microcomputer Evaluation of Career Areas (MECA) *(Conover Company), 634*
MicroIllustrator *(Dunamis, Inc.), 758*
Microsoft Natural Keyboard *(Microsoft Corporation), 414*
Microsoft Windows Sound System *(Microsoft Corporation), 415*
Mid-Sized Communication Book *(Mayer-Johnson Company), 91*
Mighty Mount *(TASH, Inc.), 169*
MIKE (Mouse Interface & Keyboard Emulation) *(Prentke Romich Company), 415*
Mind Castle I and II *(MCE), 635*
Mini Cup Switch (5808) *(TASH, Inc.), 232*
Mini Joystick with Push Switch (5020) *(TASH, Inc.), 232*
Mini Keyboard (2443 or 2450) *(TASH, Inc.), 416*
Mini Picture Set *(Attainment Company), 91*
Mini Rocking Lever Switch *(Prentke Romich Company), 232*
Mini Talking Card Reader *(Crestwood Company), 143*
Mini Transport II *(Artic Technologies), 533*
Mini Vox Amplifier *(Luminaud, Inc.), 6*
Mini-Environmental Control (ECU) Box *(Nassau Applied Technology Resource Center), 286*
Mini-Keyboards *(EKEG Electronics Company LTD), 416*
Mini-MessageMate *(Words+, Inc.), 144*
Minicom IV *(Ultratec, Inc.), 184*
MiniErgo-MF2 *(Marquardt Switches, Inc.), 417*
Minimal Contrast Stories Plus for Windows *(Parrot Software), 635*
Minimal Contrast Therapy *(Parrot Software), 636*
Minimal Motion Computer Access System *(Equal Access Computer Technology, Inc.), 417*
Minimal Motion Splint-Mounted Switch Kits *(Equal Access Computer Technology, Inc.), 233*
Miniprint 425 *(Ultratec, Inc.), 185*
Minspeak Application Programs (MAP) *(Prentke Romich Company), 759*
Mix 'N Match *(Marblesoft), 636*
Modular Turntable Desks *(Extensions for Independence), 549*
Moisture Guard *(Don Johnston Incorporated), 355*
Money Matters *(MCE), 637*
Money Skills *(Marblesoft), 637*
Morse Code WSKE II *(Words+, Inc.), 418*
Morsek Version 1.1 *(Kinetic Designs, Inc.), 418*
Motor Training Games *(Computers to Help People, Inc.), 638*
Motor Training Games *(Don Johnston Incorporated), 638*
Motorized Easel *(Extensions for Independence), 286*
Moulded Plastic Wheelchair Tray *(Variety Ability Systems, Inc (VASI)), 170*
Mountbatten Brailler *(HumanWare, Inc.), 516*
Mounting Packages & Switches *(Crestwood Company), 170*
Mounting Switch *(Don Johnston Incorporated), 233*
Mounting Switch Mount *(Don Johnston Incorporated), 171*
Mouse Keys *(World Communications), 419*
MOUSE PERCH *(PC Compatibles), 355*
Mouse-Trak *(ITAC Systems, Inc.), 419*
MouseMan Cordless *(Logitech, Inc.), 420*
MouseMover - Mac (5005) *(TASH, Inc.), 420*
MouseMover - PC Windows (5004) *(TASH, Inc.), 421*
MousePen *(Appoint), 421*
MouseStick II *(Advanced Gravis Computer Technology Ltd.), 422*
Mouth Operated Joystick for Genesis Video Game *(KY Enterprises), 422*
Mouthsticks *(Fred Sammons, Inc.), 24*
Multi-Control Press Switch *(Creative Switch Industries), 233*
Multi-Line Dial-A-News System *(Phone TTY, Inc.), 759*
Multi-SCAN *(Academic Software, Inc.), 639*
Multi-Switch Module *(Toys for Special Children, Inc.), 47*
MultiPhone *(Institute on Applied Technology, Children's Hospital), 287*
Multiple Meaning Words I Plus for Windows *(Parrot Software), 639*
Multiple Meaning Words II Plus for Windows *(Parrot Software), 640*
MultiVoice *(Institute on Applied Technology, Children's Hospital), 534*
Muppet Learning Keys *(Sunburst Communications, Inc.), 423*
Music Button *(Toys for Special Children, Inc.), 48*
MusicWare *(SoftTouch/kidTECH), 640*
MusicWare - Age Appropriate *(SoftTouch/kidTECH), 641*
My First Keyboard *(Kidtech, Inc.), 423*
MY HOUSE: Language Activities of Daily Living *(Laureate Learning Systems, Inc.), 641*
My Paint & Talking Coloring Books *(Laureate Learning Systems, Inc.), 642*
MY SCHOOL: Language Activites of Daily Living *(Laureate Learning Systems, Inc.), 642*
MY TOWN: Language Activities of Daily Living *(Laureate Learning Systems, Inc.), 643*
My-T-Mouse *(Innovation Management Group, Inc.), 424*
MyKey *(ErgonomiXX, Inc.), 424*
Myna *(TFi Engineering), 478*
NAMES *(Kansys, Inc.), 760*
Narwhal Expanded Keyboards for Adaptive Firmware Card *(EKEG Electronics Company LTD), 425*
Nasometer Model 6200-3 *(Kay Elemetrics Corporation), 643*
NeuroPage *(Hersh & Treadgold), 320*
New Frog & Fly *(Simtech Publications), 644*
NexCom 300vi & 300ve *(Nexion, Inc.), 185*
Next Page Page Turner (4600) *(TASH, Inc.), 287*
Nine Compartment Row/Column Scanner *(Toys for Special Children, Inc.), 48*
Nine Volt Battery Adapter Module *(Toys for Special Children, Inc.), 49*
Nintendo & Super Nintendo Joystick Module *(Toys for Special Children, Inc.), 425*
NOHOLD *(Computers to Help People, Inc.), 356*
NOMAD Talking Touch Pad & NOMAD Gold *(American Printing House for the Blind (APH)), 516*
NoMouse *(Abacus), 426*
Normally Closed Sensing Cell *(Tapeswitch Corporation), 234*
Normally Open Sensing Cells *(Tapeswitch Corporation), 234*
Notebook Computer Wrist Rest *(AliMed Inc.), 356*
Noteworthy *(GW Micro), 760*
Notex 486 *(ATR/JWA, Inc.), 517*
Nu-Vois *(Luminaud, Inc.), 7*
Nu-Vue-Cue *(R.D. Clark, Inc.), 92*
Numeric Concepts I and II *(BrainTrain), 644*
NuVu Magnifier *(Less Gauss Inc.), 500*
Oakland Schools Picture Dictionary *(Oakland Schools-Communication Enhancement Center), 92*
Object Communicator *(Crestwood Company), 93*
Object Display *(Crestwood Company), 93*
Object Stand or Calendar Box (3 or 5) *(Crestwood Company), 94*
Object-Picture Talk Board *(Crestwood Company), 94*
Occupations *(UCLA Microcomputer Project), 645*
Octobus *(DEKRO, Inc.), 645*
OfficeTALK for Windows *(Kolvox Communications), 426*
Ohtsuki BT-5000 Braille/Print Printer *(American Thermoform Corporation), 517*
Old MacDonald's Farm I and II *(UCLA Microcomputer Project), 646*
Omni Page System *(Silent Call Corporation), 320*
OmniKey Keyboards *(Northgate Computer Systems, Inc.), 357*
Omron Switch *(Nassau Applied Technology Resource Center), 234*
On the Job Series - Career Interests *(Conover Company), 646*
On the Job Series - Communication Skills *(Conover Company), 647*
On the Job Series - Mathematics *(Conover Company), 647*
On the Job Series - Problem Solving Skills *(Conover Company), 648*
On/Off Adaptor Switch *(ACS Technologies, Inc.), 357*
On/Off Module *(Toys for Special Children, Inc.), 49*
On/Off Remote Switch *(Dimango Products), 288*
One Access *(Consultants for Communication Technology), 427*
One Switch Picasso *(Simtech Publications), 648*
One-Hand Keyboard Package *(Trask Office Products), 358*
One-Hand Operated Joystick for Genesis Video Game *(KY Enterprises), 427*
OneStrk *(E. David & Associates), 428*
Open Book *(Arkenstone, Inc.), 478*
Open Book Unbound *(Arkenstone, Inc.), 479*
Opening Windows *(American Printing House for the Blind (APH)), 649*
Opposites and Similarities Plus for Windows *(Parrot Software), 649*

Optacon II *(TeleSensory Corporation)*. 518
Opticommunicator *(Crestwood Company)*. 95
Optimouse *(ISCAN, Inc.)*. 428
Order Processing *(Attainment Company)*. 650
OsCaR *(TeleSensory Corporation)*. 429
outSPOKEN 1.7 *(Berkeley Systems, Inc.)*. 479
outSPOKEN for Windows *(Berkeley Systems, Inc.)*. 480
Overhead Pull Switch *(Toys for Special Children, Inc.)*. 235
P-Switch *(Prentke Romich Company)*. 235
PA-1 Portable Alarm *(Med Labs, Inc.)*. 321
Padded Food *(UCLA Microcomputer Project)*. 650
Padded Vehicles *(UCLA Microcomputer Project)*. 651
PAL *(Kepler Electronic Publishing, Inc.)*. 358
Panorama *(Syntha-Voice Computers Inc.)*. 500
Paper Dolls I and II *(UCLA Microcomputer Project)*. 651
Paragon Braille Printer *(HumanWare, Inc.)*. 518
Park Speech Amplifier *(Park Surgical Company, Inc.)*. 7
Parrot *(Zygo Industries, Inc.)*. 144
Passport Kits *(Crestwood Company)*. 95
Passy-Muir Speaking Valves *(Passy-Muir, Inc.)*. 8
Patty Cake Press *(Kapable Kids)*. 235
Pay Phone TTY *(Ultratec, Inc.)*. 186
PC Braille *(Braille Research & Literacy, Inc.)*. 761
PC Typer *(American Printing House for the Blind (APH))*. 652
PC-TRAC *(Microspeed Inc.)*. 429
PCMaster & Windows Master *(Blazie Engineering)*. 460
PCS Color Stickers *(Mayer-Johnson Company)*. 96
PCS Stamps *(Mayer-Johnson Company)*. 96
PCS Wordless Edition *(Mayer-Johnson Company)*. 97
PEACEbook *(TIGER Communication System, Inc.)*. 97
PECK Computer Software *(Productivity Software International)*. 359
Peg Switch *(Kapable Kids)*. 50
Pegasus *(Words+, Inc.)*. 145
Pen Style Mouse *(A4 Tech (USA) Corporation)*. 430
Penta Switch (5024) *(TASH, Inc.)*. 236
People Pager *(HARC Mercantile, LTD)*. 321
Personal Alert Receiver *(Silent Call Corporation)*. 322
Personal Communication Terminal (PCT) *(Trident Technologies)*. 186
Personal Development Software Series *(Conover Company)*. 652
Personal Pager *(Access to Recreation, Inc.)*. 322
Personal Pager *(Adaptivation, Inc.)*. 323
Personal Pagers *(Greatest of Ease Company)*. 323
Personal Trainer *(TIGER Communication System, Inc.)*. 145
Petite Pillow Switch *(Toys for Special Children, Inc.)*. 236
Phone Manager *(Consultants for Communication Technology)*. 288
Phone-TTY CM-4 Computer Modem *(Phone TTY, Inc.)*. 187
PhoneAccess *(MRF Adaptive Resources, Inc.)*. 289
Photocell Switch *(Toys for Special Children, Inc.)*. 236
Pick 'n Stick Color Micros *(Imaginart International, Inc.)*. 98
Pick 'N Stick Color Packs *(Imaginart International, Inc.)*. 98
Pick 'N Stick Fast Food *(Imaginart International, Inc.)*. 99
Pick 'n Stick on Disk *(Imaginart International, Inc.)*. 99
Pick 'n Stick Primary Pack *(Imaginart International, Inc.)*. 100
Pick-A-Meal *(UCLA Microcomputer Project)*. 653
PICSYMS Categorical Dictionary *(Poppin and Company)*. 100
Pictalk *(UCLA Microcomputer Project)*. 653
Picture Braille *(American Printing House for the Blind (APH))*. 761
Picture Communication Symbols - Combination Book *(Mayer-Johnson Company)*. 101
Picture Communication Symbols, Books I, II & III *(Mayer-Johnson Company)*. 101
Picture Cue Dictionary *(Attainment Company)*. 654
Picture Icon X-CHANGE *(Academic Software, Inc.)*. 146
Picture Identification Plus for Windows *(Parrot Software)*. 654
Picture Naming Plus for Windows *(Parrot Software)*. 655
Picture Perfect *(Mind Play)*. 762
Picture Prompt Cards *(Attainment Company)*. 102
Picture Prompt Stickers *(Attainment Company)*. 102
Picture Prompt System *(Attainment Company)*. 103
Picture Scanner *(R.J. Cooper & Associates)*. 655
Picture Your Blissymbols *(Blissymbolics Communication International)*. 103
Picture/Theme Disks *(R.J. Cooper & Associates)*. 656
Pictures Programs: I, II and III *(Parrot Software)*. 656
Pictures, Please! *(Communication/Therapy Skill Builders)*. 104
PigTail Adapters *(AbleNet, Inc.)*. 50
Pillow Switch (5875) *(TASH, Inc.)*. 237
Pinch Switch *(Creative Switch Industries)*. 237
Pinch Switch *(Toys for Special Children, Inc.)*. 237
PKD 84 and 101 *(Advanced Input Devices)*. 430
Plate Switch *(Don Johnston Incorporated)*. 238
Plate Switch *(Toys for Special Children, Inc.)*. 238
Plate Switch (5830-34) *(TASH, Inc.)*. 238
Plate Switch On Stand *(Toys for Special Children, Inc.)*. 239
Plate Switch: CM-10 *(Zygo Industries, Inc.)*. 239
Plate Switches *(Nassau Applied Technology Resource Center)*. 239
Plate Switches *(Therapeutic Toys, Inc.)*. 240
Play Mat Switch *(Kapable Kids)*. 240
PlayMAGIC *(Toys for Special Children, Inc.)*. 460
Pneumatic Switch *(Prentke Romich Company)*. 240
Pneumatic Switch (5100, 5101) *(TASH, Inc.)*. 241
Pocket Book *(Attainment Company)*. 104
Pocket Picture Holder *(Imaginart International, Inc.)*. 105
Pocket-Sized and Double Pocket-Sized Communication Book *(Mayer-Johnson Company)*. 105
Point to Pictures *(R.J. Cooper & Associates)*. 657
Polycom *(Zygo Industries, Inc.)*. 146
Porta Boards *(Crestwood Company)*. 106
Porta Book *(Crestwood Company)*. 106
Porta Printer Plus *(Telcom International)*. 187
Portable Sound Source II *(American Printing House for the Blind (APH))*. 51
Portable Telephones *(Various (Generic Product))*. 289
PortaPoint *(Interlink Electronics)*. 431
PortaView *(Telcom International)*. 188
Porter, The *(Don Johnston Incorporated)*. 461
Positive Parenting *(MCE)*. 657
Positron Express *(HARC Mercantile, LTD)*. 188
Powerama *(Syntha-Voice Computers Inc.)*. 501
PowerBook Mounting Plate *(Don Johnston Incorporated)*. 171
PowerBraille 40, 65, & 80 *(TeleSensory Corporation)*. 519
PowerKey Software for IBM *(Dunamis, Inc.)*. 431
PowerLink 2 *(AbleNet, Inc.)*. 290
PowerPad *(Dunamis, Inc.)*. 432
PowerPad Keyguard *(Dunamis, Inc.)*. 359
PowerPad Preschool Pack I & II *(Creative Communicating)*. 658
PowerPad Starter Kit *(Dunamis, Inc.)*. 432
PowerPad Toolkit 4 *(Dunamis, Inc.)*. 762
PowerSecretary *(Articulate Systems, Inc.)*. 433
PowerSwitch *(Dunamis, Inc.)*. 461
PowerTalker *(UCLA Microcomputer Project)*. 658
PRC Joystick *(Prentke Romich Company)*. 241
PRD+ (Productivity Plus) Basic Edition *(Productivity Software International)*. 360
Pre-Dict-ate *(Madenta Communications, Inc.)*. 433
Predict It *(Don Johnston Incorporated)*. 763
Prefix *(DEKRO, Inc.)*. 659
Prefix *(Simple Works)*. 360
Prefixes *(American Printing House for the Blind (APH))*. 723
Preposition Fill-Ins *(Parrot Software)*. 659
Press to Play *(Don Johnston Incorporated)*. 660
Pressure Switch *(Burkhart, Linda J.)*. 241
Pressure Switch *(Luminaud, Inc.)*. 242
Primer 83 *(Dynacomp, Inc.)*. 660
Problem Solving I *(Psychological Software Services, Inc.)*. 661
Program for Aphasics *(Favin, David)*. 724
ProKey *(CE Software, Inc.)*. 361
ProPoint *(Interlink Electronics)*. 434
Proportional Keystroke Scanner *(Ability Systems Corporation)*. 434
Protalk23 for Windows *(Biolink Computer Research and Development, LTD)*. 480
PROVOX *(Kansys, Inc.)*. 481
PROXi *(Madenta Communications, Inc.)*. 290
Pull Switch *(Burkhart, Linda J.)*. 242
Pull Switch *(Toys for Special Children, Inc.)*. 242
Pushbutton Switch: CM-11 *(Zygo Industries, Inc.)*. 243
Puzzle Switches *(Toys for Special Children, Inc.)*. 51
Quad Talk *(Crestwood Company)*. 52
QUADLynx Trackball *(Asher Engineering Corporation)*. 435

Quick 'n Easy 2 *(ACS Technologies, Inc.)*, 172
QuicKeys *(CE Software, Inc.)*, 361
R.A.P.S. Software Series I PowerPad *(Creative Communicating)*, 661
Rabbit Scanner *(Exceptional Children's Software, Inc.)*, 662
Race the Clock *(Mind Play)*, 662
Rand Voice Amplifier *(Luminaud, Inc.)*, 8
Ransley Braille Interface (RBI) *(HumanWare, Inc.)*, 519
RAPIDTEXT *(RAPIDTEXT, Inc.)*, 763
Rate Drill in Articulation, Language and Fluency *(UNITED Educational Services, Inc.)*, 663
RC5000 Radio Home Control System *(X-10 (USA), Inc.)*, 291
Reactions (R73) *(Don Johnston Incorporated)*, 663
Readable Stories Series *(Laureate Learning Systems, Inc.)*, 724
Reading a Ruler - English & Metric *(Conover Company)*, 664
Reading AdvantEdge *(Xerox Imaging Systems, Inc.)*, 481
Reading Comprehension for Adolescents *(Parrot Software)*, 664
Reading Edge *(Xerox Imaging Systems, Inc.)*, 435
Reading Horizons *(Conover Company)*, 725
ReadyScan *(SPECTECH)*, 147
RealVoice *(ACS Technologies, Inc.)*, 147
Reasoning Skills on the Job *(Conover Company)*, 665
RedLite *(See A Need)*, 24
Reinforced Keyguard *(ACS Technologies, Inc.)*, 362
RELAX (8200) *(TASH, Inc.)*, 291
Remote Ability Switch Adapter *(Easy Home Control)*, 243
Remote Control Speakerphone Model RC3000 *(Ameriphone, Inc.)*, 292
Remote Keyboard for the Apple II+ and IIe *(EKEG Electronics Company LTD)*, 436
Remote Wireless Paging Alarm *(Crestwood Company)*, 324
RemotePoint *(Interlink Electronics)*, 436
RevolvingDoors *(Madenta Communications, Inc.)*, 437
Rhyming Pictures *(Parrot Software)*, 665
Rhythm Generator *(Toys for Special Children, Inc.)*, 52
Robot Voice Synthesizer *(Crestwood Company)*, 9
Rocker Switch (5505) *(TASH, Inc.)*, 243
Rockets to the Moon *(UCLA Microcomputer Project)*, 666
Rocking Plate Switch *(Toys for Special Children, Inc.)*, 244
Roll & Slide Keyboard Wrist Support *(Ability Center of Greater Toledo)*, 362
Roller Switch Music Box *(Toys for Special Children, Inc.)*, 244
Romeo Brailler Model RB-25 *(Enabling Technologies Company)*, 520
Romeo Brailler Model RB-40 *(Enabling Technologies Company)*, 520
Round Clock Communicator *(Toys for Special Children, Inc.)*, 53
Round Pad Switch (5805) *(TASH, Inc.)*, 244
Run Rabbit Run *(Exceptional Children's Software, Inc.)*, 666
Rx WorkStation *(Consumer Care Products, Inc.)*, 550
SafeSkin Keyboard Protector *(Merritt Computer Products, Inc.)*, 363
Safety Signs *(Conover Company)*, 667
Saltus Reader *(Dickey Engineering)*, 292
Sapura S2000 CL *(Temasek Telephone, Inc.)*, 293
Say-It-All II Plus *(Innocomp)*, 148
Say-It-Simply Plus *(Innocomp)*, 148
Scan & Match 1, 2, 3, and 4 *(Simtech Publications)*, 667
Scan Com *(Med Labs, Inc.)*, 149
Scan It - Switch It *(UCLA Microcomputer Project)*, 668
Scan-It-All *(Innocomp)*, 149
ScanLite *(ORCCA Technology, Inc.)*, 53
Scanning Conversion Program *(Stone Age Software, Inc.)*, 550
Scanning Director *(Prentke Romich Company)*, 293
Scanning Picasso *(Simtech Publications)*, 668
Scanning Remote Control (SRC) *(APT Technology, Inc.)*, 294
Scanning WSKE II *(Words+, Inc.)*, 437
Scanning X-10 Powerhouse *(Prentke Romich Company)*, 294
ScanPAC *(ACS Technologies, Inc.)*, 150
ScanTELL *(Compusult Limited)*, 482
SCATIR Switch *(Artificial Language Laboratory)*, 245
ScottBridge Speech Access System *(ScottBridge, Inc.)*, 438
Screamer Alarm *(Crestwood Company)*, 324
Screen Magnifier/2 *(IBM Corporation)*, 501
ScreenDoors *(Prentke Romich Company)*, 438
ScreenPower *(TeleSensory Corporation)*, 482
ScreenPower for Windows *(TeleSensory Corporation)*, 483
Scribe *(Zygo Industries, Inc.)*, 150
Seasons *(UCLA Microcomputer Project)*, 669
Secretary *(Zygo Industries, Inc.)*, 151
SeeBEEP *(Microsystems Software Inc.)*, 764
Seek & Find *(UCLA Microcomputer Project)*, 669
Seekline *(Speech Systems for the Blind)*, 483
Select-A-Meal and Shopping Smart *(Attainment Company)*, 107
Select-Ease Keyboard *(Lexmark International, Inc.)*, 439
Self-Talk Stickers *(Communication/Therapy Skill Builders)*, 107
Semantic Development Using Code Breaking Strategies *(Parrot Software)*, 670
SenSei System *(Safko International, Inc.)*, 295
Sensible Speller: Talking APH Edition *(American Printing House for the Blind (APH))*, 725
Sensor Switch *(Don Johnston Incorporated)*, 245
Sentence Completion Plus for Windows *(Parrot Software)*, 670
Sentence Key & Picture Sequence Key *(Mayer-Johnson Company)*, 671
Sentence Master *(Laureate Learning Systems, Inc.)*, 671
Sequential Scanner *(Toys for Special Children, Inc.)*, 54
Serial Trackball and PS/2 Trackball *(ProHance Technologies, Inc.)*, 439
Series Adapter *(AbleNet, Inc.)*, 54
SERVOX Inton *(Siemens Hearing Instruments, Inc.)*, 9
Shadow Switch *(Crestwood Company)*, 245
Shadow Talker *(Toys for Special Children, Inc.)*, 151
Sharon's Programs *(Access Unlimited)*, 726
Shell Game & Mouse Game *(SoftTouch/kidTECH)*, 672
SIDD (Software Interface for the Deaf and Disabled) *(Comm-Tel)*, 189
SideKick Receiver *(Silent Call Corporation)*, 325
Sight Word Spelling *(Exceptional Children's Software, Inc.)*, 726
Sight Words *(UCLA Microcomputer Project)*, 672
Signal Buzzer *(Toys for Special Children, Inc.)*, 325
Signal Buzzer Plate *(Therapeutic Toys, Inc.)*, 246
Signal Switch *(Toys for Special Children, Inc.)*, 246
Silent Speaker *(Trademark Medical)*, 108
Silly Sandwich *(UCLA Microcomputer Project)*, 673
Simple Sentence Structure *(Laureate Learning Systems, Inc.)*, 673
SimpleCom I: Yes/No Communication *(Dunamis, Inc.)*, 674
SimpleCom II: Needs/Wants Communication *(Dunamis, Inc.)*, 674
Simplicity Series ECUs *(Quartet Technology, Inc.)*, 295
Single Rocking Lever Switch *(Prentke Romich Company)*, 246
Single Switch Software *(Various (Generic Product))*, 675
Single Switch/MatchBox Pack I *(Creative Communicating)*, 675
Single-Appliance Continuous Control Unit *(Toys for Special Children, Inc.)*, 296
Single-Switch Multi-Appliance Control Unit & Modules *(Toys for Special Children, Inc.)*, 296
Single-Switch TV Control Unit *(Toys for Special Children, Inc.)*, 297
Sip & Puff Switch *(Toys for Special Children, Inc.)*, 247
Sip/Puff Bed Control *(KY Enterprises)*, 297
Six Position Activity Box *(Therapeutic Toys, Inc.)*, 55
Slide Projector Control *(AbleNet, Inc.)*, 55
Slim Armstrong *(AbleNet, Inc.)*, 172
Slimware *(Syntha-Voice Computers Inc.)*, 484
Slimware Window Bridge *(Syntha-Voice Computers Inc.)*, 484
Slip-On Typing Aid *(Access to Recreation, Inc.)*, 25
SM85 Smart ASCII/Baudot Modem *(Krown Research, Inc.)*, 189
SmarTalk *(Automated Functions, Inc.)*, 534
Snappy Switch *(ORCCA Technology, Inc.)*, 247
Soft Switch (5820, 5821) *(TASH, Inc.)*, 247
SofType *(Access Technology)*, 440
Son of Seek and Find *(UCLA Microcomputer Project)*, 676
Sorting by Category Plus for Windows *(Parrot Software)*, 676
Sound Advice System *(Sound Advice Systems, Inc.)*, 326
Sound Scope *(GW Instruments)*, 677
Sounding Board *(GW Micro)*, 535
SoundProof *(HumanWare, Inc.)*, 485
Speak Out VOILA *(VOILA Technology, Inc.)*, 440
Speak-Out *(GW Micro)*, 535
SpeakEasy *(AbleNet, Inc.)*, 152
Speaker Phones *(Various (Generic Product))*, 298
Speaking Dynamically *(Mayer-Johnson Company)*, 152

Speaking Speller *(American Printing House for the Blind (APH))*, 727
Speaqualizer Speech Access System *(American Printing House for the Blind (APH))*, 485
Special Education Public Domain Software *(Technology for Language and Learning, Inc.)*, 677
Specialist *(TIGER Communication System, Inc.)*, 153
Specs Switch *(AbleNet, Inc.)*, 248
Speech Enhancer 100, 200 & 400 *(Luminaud, Inc.)*, 10
Speech Recognition Systems *(Voice Recognition Technologies)*, 441
Speechmaker *(Williams Sound Corporation)*, 10
SpeechViewer II *(IBM Corporation)*, 678
Spell-A-Word & 2+2 *(R.J. Cooper & Associates)*, 727
Spell-Talk *(Access Unlimited)*, 728
Spelling Tutor *(Access Unlimited)*, 728
SPELLIST *(Castle Special Computer Services, Inc.)*, 729
Spin and Spell *(Access Unlimited)*, 729
Sponge Nurse Call Switch *(Dickey Engineering)*, 248
Square Pad Switch (5810) *(TASH, Inc.)*, 248
Squeeze Switch *(Kapable Kids)*, 249
SS-ACCESS! *(Academic Software, Inc.)*, 462
Standard Paddle Switch *(Creative Switch Industries)*, 249
Star Switch (5026) *(TASH, Inc.)*, 249
Steeper Communication/Teaching Aid *(Zygo Industries, Inc.)*, 56
Step On It! Computer Control Pedals *(Bilbo Innovations, Inc.)*, 363
Steps for Career Choice *(Conover Company)*, 678
Stick-On Keylocks *(Extensions for Independence)*, 364
Stickers for Talk Boards *(Crestwood Company)*, 108
Stickey *(C-CAD (Center for Computer Assistance to the Disabled))*, 364
Stingray *(CoStar Corporation)*, 441
Storytime Series *(Creative Communicating)*, 679
Storytime Series for Macintosh *(Creative Communicating)*, 679
Strider *(Arkenstone, Inc.)*, 764
String Switch *(AbleNet, Inc.)*, 250
String Switch *(Toys for Special Children, Inc.)*, 250
Studio4 *(DEKRO, Inc.)*, 680
Study Buddy *(Access Unlimited)*, 730
Subtle Messages *(Subtle Impact Software, Inc.)*, 680
Super-Sensitive Normally Open Switch *(Tapeswitch Corporation)*, 250
Supercom 4400 TTY *(Ultratec, Inc.)*, 190
SuperPort *(Dunamis, Inc.)*, 462
Superprint 100, 200, 400 *(Ultratec, Inc.)*, 190
Superprint 4425 *(Ultratec, Inc.)*, 191
Superprint ES TTY *(Ultratec, Inc.)*, 191
Support Station *(Support Engineering Associates)*, 173
Survival Words *(Conover Company)*, 681
Swim, Swam, Swum: Mastering Irregular Verbs *(Laureate Learning Systems, Inc.)*, 681
Switch Arcade *(Simtech Publications)*, 682
Switch Arcade *(UCLA Microcomputer Project)*, 682
Switch Art *(Judy Lynn Software)*, 683
Switch Interface *(Don Johnston Incorporated)*, 463
Switch It - Change It *(UCLA Microcomputer Project)*, 683
Switch It - See It *(UCLA Microcomputer Project)*, 684
Switch Latch (4388) *(TASH, Inc.)*, 56
Switch Latch and Timer *(AbleNet, Inc.)*, 57
Switch Latch/Timer *(Don Johnston Incorporated)*, 57
Switch Modified PowerPad *(Creative Communicating)*, 442
Switch Module *(Toys for Special Children, Inc.)*, 153
Switch Mounting Hardware *(Toys for Special Children, Inc.)*, 173
Switch Mounting Kit *(Don Johnston Incorporated)*, 174
Switch Mounts *(Various (Generic Product))*, 174
Switch Puzzles *(Simtech Publications)*, 684
Switch-Adapted Mouse (SAM) *(R.J. Cooper & Associates)*, 442
Switch-Back *(Madenta Communications, Inc.)*, 443
Switchboard *(Zygo Industries, Inc.)*, 154
SwitchEnsemble *(Switch In Time)*, 685
SwitchMouse *(OMS Development)*, 443
Switchskins *(Embracing Concepts, Inc.)*, 251
Synergy Integrated Remote *(Synergy)*, 298
SynergyMac and SynergyPC *(Synergy)*, 444
SynPhonix 210 and 215 *(Artic Technologies)*, 536
SynPhonix 310 and 315 *(Artic Technologies)*, 536
SynPhonix P27 *(Artic Technologies)*, 537
System 2000 *(Words+, Inc.)*, 154
T-140 Series Puff/Sip Speakerphones *(Envirotrol Company, Inc.)*, 299
T-TAM Keyboard and Mouse Emulator *(Prentke Romich Company)*, 463
Tactile Touch Pad *(Kapable Kids)*, 251
Taction Pads *(Adaptivation, Inc.)*, 251
Talk Back III *(Crestwood Company)*, 155
Talk Back VI *(Crestwood Company)*, 155
Talk-to-Me Tutorial Cassettes *(Raised Dot Computing)*, 551
Talk:About *(Don Johnston Incorporated)*, 156
Talking Data Acquisition System Software *(East Carolina University)*, 765
Talking Hands *(EBSCO Curriculum Materials)*, 685
Talking Laser Beam *(Crestwood Company)*, 25
Talking Literacy Kit for the Apple IIe (TALK IIe) *(American Printing House for the Blind (APH))*, 686
Talking Nouns, Talking Nouns II, and Talking Verbs *(Laureate Learning Systems, Inc.)*, 686
Talking Pictures Communication Board *(Crestwood Company)*, 109
Talking Pictures, Kits I - VII *(Crestwood Company)*, 109
Talking Public Domain Disks *(FDLRS/South Enabling Technologies Lab)*, 730
Talking Riddles *(Cross Educational Software)*, 731
Talking Screen *(Words+, Inc.)*, 156
Talking Screen for Windows *(Words+, Inc.)*, 157
Talking Sensible Speller *(Scantron Quality Computers)*, 765
Talking Switch Plates *(Toys for Special Children, Inc.)*, 157
Talking Touch Window *(Edmark Corporation)*, 687
Talking Typer *(American Printing House for the Blind (APH))*, 687
Talking Utilities for DOS 3.3 *(American Printing House for the Blind (APH))*, 766
Talking Utilities for ProDOS *(American Printing House for the Blind (APH))*, 551
Talking Writer & Four Games *(Cross Educational Software)*, 766
TalkTime with Tucker *(Laureate Learning Systems, Inc.)*, 688
TarsalRest *(Fox Bay Industries, Inc.)*, 552
TAS Switch *(Artificial Language Laboratory)*, 252
TASH Mounting Parts *(TASH, Inc.)*, 175
TDD 2700, 2730, and 2830 *(AT & T Accessible Communication Products Center)*, 192
TDD Detector *(Ultratec, Inc.)*, 192
TDD Trainer System *(Deafworks)*, 58
Tea Party *(UCLA Microcomputer Project)*, 688
TEAM *(Microsystems Software Inc.)*, 299
Teenage Switch Progressions *(R.J. Cooper & Associates)*, 689
TeleBraille III *(TeleSensory Corporation)*, 193
TeleDesk Visually Impaired Operator Console *(Convevant Systems, Inc.)*, 767
Telepathic II *(Madenta Communications, Inc.)*, 767
Telephone Holder & Line Connector *(Zygo Industries, Inc.)*, 300
Telephone Management System *(IC-Systems)*, 300
TeleView 40 & 80 *(Telcom International)*, 193
Telling Time *(DEKRO, Inc.)*, 689
Telling Time, Parts of the Face, Learning Colors *(Favin, David)*, 690
Tempo for Windows *(Affinity Micro Systems, LTD)*, 365
Tempo II Plus *(Affinity Micro Systems, LTD)*, 365
TempoEZ *(Affinity Micro Systems, LTD)*, 366
Term-Talk *(GW Micro)*, 768
TEXTALKER *(American Printing House for the Blind (APH))*, 521
Textalker-GS *(American Printing House for the Blind (APH))*, 486
TextGrabber *(SunBelt Industries, Inc.)*, 768
THINKable/DOS *(IBM Corporation)*, 690
This is the Way We Wash Our Face *(UCLA Microcomputer Project)*, 691
This Old Man *(UCLA Microcomputer Project)*, 691
Thomas Brailler *(Enabling Technologies Company)*, 521
Three Position Activity Box *(Therapeutic Toys, Inc.)*, 58
Thumb Switch: CM-5 *(Zygo Industries, Inc.)*, 252
Tilt Switch *(Toys for Special Children, Inc.)*, 252
Timekeeper *(Edmark Corporation)*, 692
TimeOut UltraMacros *(Scantron Quality Computers)*, 366
Timer Module *(Toys for Special Children, Inc.)*, 59
Tinytalk *(OMS Development)*, 486

Tip Switch (5840) *(TASH, Inc.)*, 253
Tokyo Artificial Larynx *(Artificial Speech Aids)*, 11
ToneTalker *(Consultants for Communication Technology)*, 194
Tongue Switch *(Prentke Romich Company)*, 253
Tongue Switch *(Toys for Special Children, Inc.)*, 253
Touch 'N Talk Communication Board *(Imaginart International Inc.)*, 110
Touch 'N Talk Communication Notebook *(Imaginart International Inc.)*, 110
Touch 'N Talk Communication Stickers *(Imaginart International Inc.)*, 111
Touch 'N Talk Micros *(Imaginart International, Inc.)*, 111
Touch and Match *(Edmark Corporation)*, 692
Touch and See *(Edmark Corporation)*, 693
Touch Pads *(Tapeswitch Corporation)*, 254
Touch Switch: CM-4 *(Zygo Industries, Inc.)*, 254
Touch Turner *(Touch Turner)*, 301
TouchMoney *(Edmark Corporation)*, 693
TouchWindow *(Edmark Corporation)*, 444
Toy Adapter *(Burkhart, Linda J.)*, 59
Toy Adapter Cables: CA-9/CA-12/CA-16 *(Zygo Industries, Inc.)*, 60
Toy Cables (4378, 4379) *(TASH, Inc.)*, 60
Trace Beeper Box *(Trace Center)*, 61
Trace Math Aid *(Computers to Help People, Inc.)*, 769
Trackball Pro *(CH Products)*, 445
TrackMan Live! *(Logitech, Inc.)*, 445
TrackMan Voyager *(Logitech, Inc.)*, 446
Traffic Signs Plus for Windows *(Parrot Software)*, 694
Training Aid 2 *(Prentke Romich Company)*, 61
Trak101 Keyboard *(Key Tronic)*, 446
TranSend System *(Enabling Technologies Company)*, 522
Transportation Signs *(Conover Company)*, 694
Tread Switch: CM-1 *(Zygo Industries, Inc.)*, 254
Treadle Switch (5880) *(TASH, Inc.)*, 255
Tri-Responder *(Crestwood Company)*, 62
Trip to the Zoo *(Marblesoft)*, 695
TS2010X Text to Speech Personal Communicating Device *(D.C. & D., Inc.)*, 158
Tubular Vibrator *(Toys for Special Children, Inc.)*, 62
Turbo Mouse 4.0 *(Kensington Microware Limited)*, 447
Turbo Trackball *(Asher Engineering Corporation)*, 447
TurboBraille *(Kansys, Inc.)*, 769
Turn-Talking *(R.J. Cooper & Associates)*, 695
TVRC and TVRCS *(APT Technology, Inc.)*, 301
Twenty Categories *(Laureate Learning Systems, Inc.)*, 696
Twin Plate Switch *(Crestwood Company)*, 255
Twinkle Switch *(ACS Technologies, Inc.)*, 255
Twitch Switch *(Toys for Special Children, Inc.)*, 256
Type 'n Speak *(Blazie Engineering)*, 487
TypeIt4Me *(Ettore, Riccardo)*, 770
U-Control *(Words+, Inc.)*, 302
UKanDu Little Books *(Don Johnston Incorporated)*, 696
UKanDu Switches, Too! *(Don Johnston Incorporated)*, 697
Ultimate Switch *(Toys for Special Children, Inc.)*, 256
Ultra 4 Remote System & Scanning Ultra 4 *(TASH, Inc.)*, 302
UltraSilent *(DiRAD Technologies, Inc.)*, 194
Understanding Attributes *(Parrot Software)*, 697
Uni-Key *(National Institute for Rehabilitation Engineering)*, 367
Uniphone 1000 *(Ultratec, Inc.)*, 195
Uniphone TDD/TT *(HARC Mercantile, LTD)*, 195
Universal Adaptive Switch System *(Academic Software, Inc.)*, 256
Universal Control System with Tongue Touch Keypad *(New Abilities Systems, Inc.)*, 303
Universal Input Adaptor *(Toys for Special Children, Inc.)*, 464
Universal Module *(Toys for Special Children, Inc.)*, 63
Universal Remote Controls *(Various (Generic Product))*, 303
Universal Switch Mounting System *(AbleNet, Inc.)*, 175
Universal Telephone Adapter *(Extensions for Independence)*, 304
Universal Television Remote Control *(KY Enterprises)*, 304
URC-400 Series Universal Remote Control *(Envirotrol Company, Inc.)*, 305
Vacuum Wand *(Fred Sammons, Inc.)*, 26
Vantage CCD *(TeleSensory Corporation)*, 502
Variable Height Desk *(PosturMate, Inc.)*, 552
VCS 3500 with TDD Software *(Microlog Corporation)*, 196
Verb Fill-Ins *(Parrot Software)*, 698
Verbal Analogies *(Parrot Software)*, 698
Verbal Analogies Plus for Windows *(Parrot Software)*, 699
VersaBraille Electric Webster *(Cornucopia Software)*, 770
VersaPoint-40 Braille Embosser *(TeleSensory Corporation)*, 522
Versascan *(Prentke Romich Company)*, 63
Vertical *(Ergonomic-Interface Keyboard Systems, Inc.)*, 448
Vertical Plate Switch *(Toys for Special Children, Inc.)*, 257
Vertical Wobble Switch *(Toys for Special Children, Inc.)*, 257
Vibra-Call Receiver *(Silent Call Corporation)*, 326
Vibrating Sack *(Toys for Special Children, Inc.)*, 64
Vibration Switch *(Adaptivation, Inc.)*, 257
Video Voice Speech Training System *(Micro Video Corp.)*, 699
Viewpoint Optical Indicator *(Prentke Romich Company)*, 26
VisAbility *(AI Squared)*, 771
Visi-Pitch Model 3300 *(Kay Elemetrics Corporation)*, 700
VisionKey *(H.K. EyeCan, LTD)*, 158
Vista *(TeleSensory Corporation)*, 502
Visual Confrontation Naming Plus for Windows *(Parrot Software)*, 700
Visual Memory Plus for Windows *(Parrot Software)*, 701
Visual Motor Skills *(Judy Lynn Software)*, 701
Visual Pattern Memory Plus for Windows *(Parrot Software)*, 702
Visuospatial Skills I *(Psychological Software Services, Inc.)*, 702
Visuospatial Skills II *(Psychological Software Services, Inc.)*, 703
Vocal Assistant *(GMR Labs)*, 159
Vocal-Eyes *(GW Micro)*, 487
VocaLite *(Words+, Inc.)*, 537
Voice Activated Switch *(Toys for Special Children, Inc.)*, 258
Voice Amplificaider *(Crestwood Company)*, 11
Voice Math *(Chatterbox Voice Learning Systems)*, 731
Voice Mouse/Keyboard (VMK) Controller *(Quartet Technology, Inc.)*, 448
Voice Reading Ability Drill *(Chatterbox Voice Learning Systems)*, 732
Voice Switch *(Crestwood Company)*, 258
Voice User *(Cylogic, Inc.)*, 449
VoiceBachs *(Magic Laboratories, Inc.)*, 159
VoiceCard *(GW Micro)*, 538
VoiceMate, SwitchMate, ScanMate (2701-2708) *(TASH, Inc.)*, 64
VoicePal *(Adaptivation, Inc.)*, 160
VoicePal Plus *(Adaptivation, Inc.)*, 160
Voicette *(Luminaud, Inc.)*, 12
VOIS 160 *(Phonic Ear Inc.)*, 161
Vortex Machine Assisted Reader Software *(Tenax Software Engineering)*, 703
VT520 Terminals - Accessibility Features *(Digital Equipment Corporation)*, 367
VX-5000 Cordless Phone *(Advanced Peripheral Technologies)*, 305
Wafer Switch (5018) *(TASH, Inc.)*, 258
WalkerTalker *(Prentke Romich Company)*, 161
Watchman Master *(Ultratec, Inc.)*, 327
WatchMate *(Instantel)*, 327
WatchMate LC *(Instantel)*, 328
WCMK *(Prentke Romich Company)*, 176
Wheels On The Bus I, II, III *(UCLA Microcomputer Project)*, 704
Wheels on the Bus I, II, III - Intellipics Activity *(UCLA Microcomputer Project)*, 704
Wheels on the Bus: COMPLETE *(UCLA Microcomputer Project)*, 705
Where is Puff? *(UCLA Microcomputer Project)*, 705
WhisperWolf *(Wayne County Regional Education Service Agency)*, 162
Win Vision *(Artic Technologies)*, 488
WinDOTS *(ATR/JWA, Inc.)*, 771
Window-Eyes *(GW Micro)*, 488
WinKing Keyboard (2448F, 2448Q) *(TASH, Inc.)*, 449
WINKLiNE *(Speech Systems for the Blind)*, 489
WinMini Keyboard (2447F, 2447Q) *(TASH, Inc.)*, 450
WinSCAN: Limited Edition *(Academic Software, Inc.)*, 464
WinTalk *(Microflip, Inc.)*, 196
Wireless Personal Pager *(Luminaud, Inc.)*, 328
Wireless TV & VCR Remote Controls *(Toys for Special Children, Inc.)*, 306
Wish Writer *(Consultants for Communication Technology)*, 772

WiViK 2.0 (Windows Visual Keyboard) *(Prentke Romich Company)*, *450*
WiVox *(Prentke Romich Company)*, *772*
Wobble Switch *(Prentke Romich Company)*, *259*
Wobble Switch *(Toys for Special Children, Inc.)*, *259*
Word Association Plus for Windows *(Parrot Software)*, *706*
Word Order in Sentences *(Parrot Software)*, *706*
Word Order Plus for Windows *(Parrot Software)*, *707*
Word-Talk *(GW Micro)*, *773*
Wordplay with Alps and Droops *(Optimal-Ed Learning Materials)*, *732*
Words and Concepts I, II, III *(Laureate Learning Systems, Inc.)*, *707*
WordScholar *(Henter-Joyce, Inc.)*, *489*
WordWise Language & Master Cards *(Attainment Company)*, *112*
WordWise Software *(Attainment Company)*, *708*
WordWise Sticker Set *(Attainment Company)*, *112*
WordWriter *(Prentke Romich Company)*, *368*
Work-Station Pro *(GW Micro)*, *773*
Worm Squirm *(UCLA Microcomputer Project)*, *708*
WPS Loquitur 115 and 250 *(Western Psychological Services)*, *65*
WRIST PERCH *(PC Compatibles)*, *368*
Writalk Electronic Pen Pad *(SSK Technology, Inc.)*, *197*
Write *(Computers to Help People, Inc.)*, *733*
Write This Way *(Edmark Corporation)*, *733*
Write:OutLoud *(Don Johnston Incorporated)*, *774*
WriteAway *(Institute on Applied Technology, Children's Hospital)*, *774*
Writing Utensil Grips *(Various (Generic Product))*, *113*
WSCC (Washington State Cooperative Curriculum) *(J.E. Stewart)*, *709*
X-10 Home Control Interface *(X-10 (USA), Inc.)*, *306*
X-10 Powerhouse System *(X-10 (USA), Inc.)*, *307*
Yak Bak *(YES! Entertainment Corporation)*, *162*
Zero to Five *(Educational Technology International)*, *734*
Zoo Kit *(Mayer-Johnson Company)*, *113*
Zoo Time *(UCLA Microcomputer Project)*, *709*
ZoomCaps *(Meeting the Challenge)*, *369*
ZoomText 5 *(AI Squared)*, *503*